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RIDGEWAY ARIZ OIL 3-1 STATE NE SE 3-11N-29E, Apache Co. (884)

LEASE NO. __STATE #13-53-801 ST JOHNS COUNTY APACHE AREA RIDGEWAY ARIZONA OIL CORP #3-1 STATE WELL NAME 29E FOOTAGE 3566' FNL & 514' FEL SEC 3 TWP 11N RANGE LOCATION NE SE TOTAL 1805 PBTD STATUS CO2 GAS SPUD DATE 8/21/95 DEPTH 1813' ELEV 6726' GR COMP. DATE 9/7/95 FARMINGTON CONTRACTOR SMITH DRILLING CEMENT LINER SIZE & DEPTH DRILLED BY ROTARY YES DEPTH CASING SIZE DRILLED BY CABLE TOOL 90 sks 2-3/8" tbg @ 1523' 9-5/8" 36# 1331 PRODUCTIVE RESERVOIR PERMIAN SUPAI 23# 7641 150 sks INITIAL PRODUCTION 657 MCFD 4-1/2" 10.5# 1805' 115 sks SOURCE REMARKS DEPTHS L.L. E.L. FORMATION TOPS TOPS BY OPERATOR SURF TRI CHINLE 236' PERM SAN ANDRES 543' PERM GLORIETA 7001 PERM SUPAI PERM FT APACHE MBR 1427' PERFORATED INTERVALS PROD. INTERVALS SAMPLE LOG ELECTRIC LOGS SAMPLE DESCRP. 1536' - 1676' DUAL LATEROLOG SAMPLE NO. CORE ANALYSIS LONG SPACED SONIC DSTs REMARKS CO2 GAS WELL - 4 MI SOUTH OF PLATEAU CATTLE CO2 DISCOVERY APP. TO PLUG PLUGGING REP. COMP. REPORT 10/3/95 WATER WELL ACCEPTED BY BOND NO. #4002111 and #4002112 BOND CO. BANK ONE ARIZONA CERTIFICATES OF DEPOSIT DATE 6-14-94 and 11-18-94 ORGANIZATION REPORT CANCELLED BOND AMT. \$25,000 (SEE NOTE) LOC. PLAT WELL BOOK PLAT BOOK FILING RECEIPT 3072 DATE ISSUED 1-27-95 DEDICATION N 1/2 OF SE OTR API NO. 02-001-20299 PERMIT NUMBER 884

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5 1987 **1887-17**

		DETAIL OF I	FORMATIONS PENETRATED PIN 884						
FORMATION	тор	воттом	DESCRIPTION*						
Supai Ft. Apache	810' 1525'	1525' 1813'	Limestone & Dolomite Sand & Dolomite						

^{*} Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion represent well log shall be filed with the State of Arizona Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

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Operator								00 - 4tl Iberta (1
Ridgeway Ar Federal, State or Ir	izona (Number	rp.	sor if free	e lease	<u>La i ga</u> Well Numi		Field & Re	<u>canac</u> servoir	<u>10 L</u>	1 104	
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State 3						Cou	ity	MILUUG.	<u>wLVI</u>	<u></u>		
3566' FNL &	514	FFI				Apa	che					
Sec. TWP-Range or							3. 1			_		
Sec. 3, TWP		Rae. 29	9E _								El	an of ancies
Date spudded		Date tota	al depth reach	ed	Date complete	d, ready to	1 (DF	ation , RKB, RT	or Gr.)		hd, flai	
8/21/95		9/2/9	95		9 777 95			725	ŧ	eet	6725	fee
Total depth		P.B.T.D.			Single, dual or	triple com	pletion?		furnis	sh separa	ie repor	le completion, t for each com-
1813		1805			<u>Single</u>			17	pletic	n.		d (interval)
Producing interval		completion	on			Rotary to		(interval)		Caule 1	U3C	Per 3011 For Adil
Fort Apache			180 a 422	.al a	made?	() -18	of direct	ional survey	,	Date fi	led	
Was this well direc	tionally dri	iled?	Was direction	iai survey	mager	filed?	or unect	'91:01 331 AC)				
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Dual Latero	<u>- por</u>	spectr	<u>ai vensi</u>	LY DU	aı Spaced CASINGI	I NEUTY RECORD	<u>UII</u>			<u> </u>		
Casing (report all	strings set	n well - c	onductor, sur	face, inte			}					
Purpose		ole drilled		asing set	Weight			pth set	TS	acks cerr	ent	Amt. pulled
									 			
Surface	12-1	/4"	9-5/8	11	36#		133'			sks		Circ-
Int	8-3/		7"		23#		7641		1	sks.		Circ. —
Prod.	6-1/		4-1/2	111	110.5#_		1805	LINER RE		sks.		
Size	TUBING F		Packer set at	Siz	<u> </u>	Тор		Bottom		Sacks o	ement	Screen (ft)
2-3/8" in.	1523		1490'	ft.	in.		ft,	1	ft.	1		
<u> </u>	1		N RECORD			A	ID, SHO	T, FRACT	URE, C	EMENT		ZE RECORD
Number per ft.	Size &	type	De	oth Inter	rval	Am't	& kind o	of material u	ised		Dep	th Interval
	20		15261 17	761		Non						
4	.38		1536'-16	7.0		Non	1			1		
	<u> </u>				INITIAL PI	RODUCTIO)N					
Date of first prod	duction		Producing m	ethod (in	dicate if flow	ing, gas lift	or pump	ingif pum	ping, sh	ow size (k type o	f pump:)
9/8/95			Flowing									
Date of test	Hrs. tester	C	hoke size	Oil pro	d. during test	Gas pro	d. during	test \	Nater p	rod. duri	ng test	Oil gravity
9/8/95	24	h /2)"	$L_{L_{-}}$	bbls	· 657		MCF 0			bbls	
Tubing pressure		ng pressure	e Cal'ted	rate of I	Pro- Oil hrs.		Gas		W	later		Gas-oil ratio
95	lo_				10	bb	<u> 657</u>	M	CF O		bbls	<u>. </u>
Disposition of ga	s (state wh	ether vent	ted, used for f	uel or so	ld):							
Vented												<u></u>
CERTIFICAT	E: l. the u	ndersigned	l, under the p	enalty of	perjury, state	that I am t	heAq	<u>ent</u>				of
							_	Arizad Im	id cc~	nanu *^ -	nako thi	s report; and that
Ridgeway A	risona pared unde	Oil Co	OYD rvision and di	rection a	(company), nd that the fac	, and that I sts stated t	am autov nerein are	true, corre	ct and s	omplete	to the b	s report; and that lest of my knowle
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		DETAIL OF F	ORMATIONS PENETRATED	Permit	884
FORMATION	ТОР	воттом	DESCR	IPTION*	
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Chinle	0'				
San Andres	2361		·		
Glorieta	543'				
Supai	700"				
Ft. Apache	14271				
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^{*} Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log 5 well.

This Well Completion or Recompletion t and well log shall be filed with the State of Arizor & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

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STATE: ARIZONA
COUNTY: APACHE
API 02-001-20299
FIELD: UNNAMED
WELL CLASS: WFD
OPR: RIDGEWAY ARIZONA OIL

11N-29E 3 NE SE 3566 FNL 514 FEL STATUS: GAS

0

3-1 STATE 13-53-801

SPUD: 08/21/95 COMP: 09/13/95 ELEV: 6726 GR TD: 1813 (09/05/95) FM/TD: FORT APACHE CONTR: SMITH DRLG RIG #1 (R) (VERTICAL) PROJ DEPTH/FM: 2500 FORT APACHE PERMIT #884

COMP 9/13/95, IPF 663 MCFGPD, 32/64 CK, FCP 90, SICP 400. PROD ZONE - FORT APACHE 1536-1676(GROSS). NO CORES OR DSTS (FORT APACHE DISCOVERY - NEW FIELD) WILL BE REISSUED IF ADDITIONAL DATA BECOMES AVAILABLE.

LOC DESCRIPTION: 10 MI SE ST JOHNS, AZ 4 MI S CO2 GAS DISC (UNNAMED)(SW 15-12N-29E); LAT: 3437705 LONG: 10925626;
CASING: 9 5/8 @ 130, 4 1/2 @ 1813;
DRLG COMMENTS: AZTEC WELL SERVICE # 157 COMPLETED PRODUCING INTERVAL: PERF (FORT APACHE) 1536-1676 GROSS,
OPER ADD: % WALSH ENG & PROD 7415 E MAIN, FARMINGTON, NM, 87402 PHONE (505) 327-4892;

COPYRIGHT 1996 PETROLEUM INFORMATION CORPORATION

DATE 01/08/96CARD #00001-F COR

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Sundry Notice And Reports on Wells 1 Name of Operator Ridgeway AZ. Oil Corp. (Specify) Co2 Other Gas Well 2 Oil Well 3 Well Name State 3-1 location 3566 f/n & 514 f/el 29E County: Apache, Arizona 11N Rge. Sec. 4 Federal, State, or Indian Lease Number, or Lessor's name if fee lease 13-53801 Wildcat 5 Field or Pool Name 6 Check Appropriate Box to indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: NOTICE OF INTENTION TO: WATER SHUT-OFF WEEKLY PROGRESS TEST WATER SHUT-OFF PULL OR ALTER CASING REPAIRING WELL FRACTURE TREATMENT DIRECTIONAL DRILL FRACTURE TREAT ALTER CASING SHOOTING OR ACIDIZE PERFORATE CASING SHOOT OR ACIDIZE **ABANDONMENT** CHANGE PLANS REPAIR WELL OTHER DESCRIBE PROPOSED OR COMPLETED OPERATIONS (clearly state all pertinent details, and give pertinent dates, including estimated dates of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Rig up Haliburton to well pump acid into Ft. Apache to stimulate flow put away 500gal. Of 15% Fe Acid w/30ea. Ball sealers spaced evenly throughout acid, maintaining low pressure throughout job 8 I herby certify that the foregoing is true and correct. 9/18/00 Date Title Operations Manager STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Sundry Notice and Reports on Wells File one Copy

Form No. 25

884

Permit No.

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Sundry Notice And Reports on Wells 1 Name of Operator Ridgeway AZ. Oil Corp. (Specify) Co2 Gas Well 2 Oil Well 3 Well Name State 3-1 location 3566 f/n & 514 f/el 29E County: Apache, Arizona 3 Twp. 11N Rge. Sec. 4 Federal, State, or Indian Lease Number, or Lessor's name if fee lease 5 Field or Pool Name Wildcat 6 Check Appropriate Box to indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: NOTICE OF INTENTION TO: WEEKLY PROGRESS PULL OR ALTER CASING WATER SHUT-OFF TEST WATER SHUT-OFF REPAIRING WELL FRACTURE TREATMENT DIRECTIONAL DRILL FRACTURE TREAT SHOOTING OR ACIDIZE ALTER CASING PERFORATE CASING SHOOT OR ACIDIZE **ABANDONMENT** CHANGE PLANS REPAIR WELL OTHER DESCRIBE PROPOSED OR COMPLETED OPERATIONS (clearly state all pertinent details, and give pertinent dates, including estimated dates of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Rig up wireline truck, run in hole to 1522' set drillable cast iron plug, pull out of hole. Rig up perforating guns, run in hole and shoot the Ft. Apache from 1460-67(1spf), 1473-79(1spf), 1484-90(1spf), 1498-99(1spf). SEP 2000 ARIZONA GEOLOGICAL SURVEY 8 I herby certify that the spregoing is true and conect.

Title

Permit No.

884

Form No. 25

Operations Manager

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notice and Reports on Wells
File one Copy

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9/5/00

Date

Sundry Notice And Reports on Wells 1 Name of Operator Ridgeway AZ. Oil Corp. X (Specify) Co2 2 Oil Well Gas Well Other 3 Well Name State 3-1 3566 f/n & 514 f/el location 29E County: Apache, Arizona 11N Rge. 3 Twp. Sec. 4 Federal, State, or Indian Lease Number, or Lessor's name if fee lease 13-53801 5 Field or Pool Name Wildcat 6 Check Appropriate Box to indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: NOTICE OF INTENTION TO: WATER SHUT-OFF WEEKLY PROGRESS PULL OR ALTER CASING **TEST WATER SHUT-OFF** REPAIRING WELL FRACTURE TREATMENT FRACTURE TREAT DIRECTIONAL DRILL ALTER CASING SHOOT OR ACIDIZE SHOOTING OR ACIDIZE PERFORATE CASING **ABANDONMENT** CHANGE PLANS REPAIR WELL OTHER Flow Test **OTHER** DESCRIBE PROPOSED OR COMPLETED OPERATIONS (clearly state all pertinent details, and give pertinent dates, including estimated dates of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Shut in well State 3-1 Test results are included, due to some dificulty with the Chromatagraph the reported rates are not accuate LES 5000 ARIZORA GEOLOG C SURVEY 8 I herby certify that the foregoing is true and correct 2/15/00 Title Date Production Manager Signed STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Sundry Notice and Reports on Wells File one Copy Form No. 25

Permit No.

884



Ridgeway ARIZONA OIL CORP ST. JOHN'S, ARIZONA CO2PRGJECT

RTU Warnings Drain Problem

Daily Report for Well # 3-1 2/4/00 11:42:28 AM

Analog Readings

Pressure:

82.85 psia

Delta Pressure:

15.89 in H2O

Temperature: Tank Volume: 66.37 F

0.07 bbls

Battery:

12.82 V

Valve Status Flow: Partial

Drain: Closed

Column Head Pressures Channel A: 44 psia Channel B: 52 psia Channel C: 57 psia

Mix as of 2/4/00 10:58:21 AM

Methane:

0.137

Ethane:

0

Propane: i-Butane:

0 0

n-Butane:

0

Carbon Dioxide:

99,247 0

Ethylene: Nitrogen:

0

Oxygen:

Carbon Monoxide:

0

Hydrogen Sulfide:

n-Pentane: i-Pentane:

i-Hexane:

0 0.616

Helium:

None

Flow Control

Notes

Perf Depths 1536 - 1676, 4 spf

TD 1813

Flow

Current: 418.2 MSCFD

Today: 190.03 MSCF

Total Drain: 334.98 bbls

Last 7 Days (in MSCF):

405.03

404.91

436.51

1045.05

673.43

806.47 575.94

7 Day Total: 4347.34 MSCF

7 Day Average: 621.05 MSCF

Current Wedge Wedge 1 (Little Flow)

H/D:

0.5

Pipe D: 3.068 in

Kd2: 1.75



Sundry Notice And Reports on Wells 1 Name of Operator Ridgeway AZ. Oil Corp. 2 Oil Well Gas Well Other (Specify) Co2 3 Well Name State 3-1 location 3566 f/n & 514 f/el 11N Rge. 29E County: Apache, Arizona Sec. 4 Federal, State, or Indian Lease Number, or Lessor's name if fee lease 13-53801 5 Field or Pool Name Wildcat 6 Check Appropriate Box to indicate Nature of Notice, Report, or Other Data SUBSEQUENT REPORT OF: NOTICE OF INTENTION TO: WEEKLY PROGRESS PULL OR ALTER CASING WATER SHUT-OFF **TEST WATER SHUT-OFF** REPAIRING WELL FRACTURE TREATMENT DIRECTIONAL DRILL FRACTURE TREAT ALTER CASING PERFORATE CASING SHOOTING OR ACIDIZE SHOOT OR ACIDIZE **ABANDONMENT** CHANGE PLANS REPAIR WELL Flow Test OTHER DESCRIBE PROPOSED OR COMPLETED OPERATIONS (clearly state all pertinent details, and give pertinent dates, including estimated dates of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Proposed start up Date1/13/00 Program as follows: Rig up unit to well Open well to surface and flow test well 1VH 5000 accumulate water and gas samples GEOLOGIC shut in well SURVEY 8 I herby certify that the toregoing is true and correct Title 1/6/00 Production Manager Date **STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION** Sundry Notice and Reports on Wells File one Copy Form No. 25

Permit No.

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Sundry Notice And Reports on Wells
1 Name of Operator Ridgeway AZ. Oil Corp.
2 Oil Well Gas Well Other X (Specify) Co2
3 Well Name State 3-1 location 3566 f/n & 514 f/el Sec. 3 Twp. 11N Rge. 29E County: Apache, Arizona
4 Federal, State, or Indian Lease Number, or Lessor's name if fee lease 13-53801
5 Field or Pool Name Wildcat
6 Check Appropriate Box to indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF WEEKLY PROGRESS FRACTURE TREAT DIRECTIONAL DRILL FRACTURE TREATMENT REPAIRING WELL SHOOT OR ACIDIZE PERFORATE CASING SHOOTING OR ACIDIZE ALTER CASING REPAIR WELL CHANGE PLANS X OTHER
including estimated dates of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) Proposed start up Date 6/8/99
Program as follows:
Rig up unit to well Open well to surface and flow test well accumulate water and gas samples shut in well ARIZONA GEOLOGICAL SURVEY
COSCIBILITY OF THE PROPERTY OF
8 I herby certify that the foregoing is true and correct Signed Title Production Manager Date 6/1/99

Permit No._

884



Ridgeway ARIZONA OIL CORP ST. JOHN'S, ARIZONA CO, PROJECT

9/25/98 Daily Report for Well # 3-1

Analog Readings

Pressure:
Delta Pressure:

145.91 psia 52.03 in H2O 73.84 F

Temperature: Tank Volume: Battery:

0.81 bbls 13.68 V

Valve Status Flow: Partial

Drain: Closed

Mix as of 9/24/98 3:13:16 PM

Methane: 0.064
Ethane: 0
Propane: 0.126
i-Butane: 0
n-Butane: 0
Carbon Dioxide: 91.66
Ethylene: 0

Nitrogen: 7.511
Oxygen: 0
Carbon Monoxide: 0
Hydrogen Sulfide: 0
n-Pentane: 0

n-Pentane: 0
i-Pentane: 0
i-Hexane: 0
Helium: 0.639

Flow Control None RTU Warnings None

7/N884

AZ STATE

OCT 1999

Column Head Pressures
Channel A: 0 psia
Channel B: 0 psia
Channel C: 0 psia

Flow
Current: 1027.04 MSCFD
Today: 456.76 MSCF
Total Drain: 83.84 bbls

Last 7 Days (in MSCF): 1171.44 1130.94 1323.67 1196.36 2069.76 2650.04 1497.12

7 Day Total: 11039.33 MSCF 7 Day Average: 1577.05 MSCF

Current Wedge Wedge 2 (Big Flow) H/D: 0.3

Pipe D: 3.067 in Kd2: 1.75

Notes Start date 9-15-98 Start Time 11:30 a.m. Perf Depths 1536 - 1676, 4 spf TD 1813





Ridgeway ARIZONA OIL CORP ST. JOHN'S, ARIZONA CO, PROJECT

9/30/98 Daily Report for Well # 3-1

P/N 884

Analog Readings

Pressure:
Delta Pressure:

138.06 psia 41.29 in H2O

Temperature: Tank Volume:

Battery:

72.34 F 0.8 bbls 13.35 V

Valve Status Flow: Partial Drain: Closed

Mix as of 9/30/98 10:45:13 AM

Methane: 0
Ethane: 0
Propane: 0.017
i-Butane: 0
n-Butane: 0
Carbon Dioxide: 93.465

0 Ethylene: Nitrogen: 0 5.89 Oxygen: Carbon Monoxide: 0 0 Hydrogen Sulfide: 0 n-Pentane: 0 i-Pentane: 0 i-Hexane:

0.629

Flow Control None

430@

Helium:

Notes Start date 9-15-98 Start Time 11:30 a.m. Perf Depths 1536 - 1676, 4 spf TD 1813 RTU Wamings None

Column Head Pressures Channel A: 0 psia Channel B: 0 psia Channel C: 0 psia

Flow Current: 883.55 MSCFD Today: 444.73 MSCF Total Drain: 105.72 bbls Last 7 Days (in MSCF):

> 710:68 653.92 978.19 1171.44 1130.94 1323.67 1196.36

7 Day Total: 7165.2 MSCF 7 Day Average: 1023.6 MSCF

Current Wedge Wedge 2 (Big Flow)

H/D: 0.3 Pipe D: 3.067 in

Kd2: 1.75



O

SUNDRY NOTICES AND REPORTS ON WELLS 1. Name of Operator Ridgeway Az Oil Corp. 2. OIL WELL GAS WELL OTHER [X] (Specify) _ 3. Well Name <u>State 3-1</u> Location 3566 F/N & 514 F/EL _ Twp._ <u> 11N</u> 4. Federal, State, or Indian Lease Number, or lessor's name if fee lease 13~53801 5. Field or Pool Name __Wildcat. 6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: TEST WATER SHUT-OFF SUBSEQUENT REPORT OF: PULL OR ALTER CASING FRACTURE TREAT WATER SHUT-OFF DIRECTIONAL DRILL WEEKLY PROGRESS SHOOT OR ACIDIZE FRACTURE TREATMENT PERFORATE CASING REPAIRING WELL REPAIR WELL SHOOTING OR ACIDIZING CHANGE PLANS ALTER CASING ABANDONMENT (OTHER) (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form 4 1. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers Start date for this program is set for 11-4-97 Program as follows: Rig up wireline run in hole, set plug @ 500' Change out fiberglass flange to S.S. flange, release plug NOV 1997 ARIZONA GEOLOGICAL 8. I herby certify that the foregoing is true and correct. Tile Production Mgr. Date 11-3-97 0 STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION 884 Permit No. Sundry Notice and Reports On Wells File One Copy Form No. 25 Mail Completed Form to: Oil & Gas Program Administrator Arteona Geological Survey 416 W. Congress #100 Tucson AZ 85701-1315

5/96

SUNDRY NOTICES AND REPORTS ON WELLS

_			=			CUS		
OIL WELL	GAS WE							
. Well NameS								
Location3	566 F/N &	514 F/	EL					
Sec3	Tw	vp1	1N	Rge20	<u>)E</u>	County		, Arizona
Federal, State, o								
i. Field or Pool Na								
3. Check Appropria	ite Box to Indica	ite Nature d	of Notice, Report	, or Other Data	3			
	NOTICE OF IN	ITENTION	TO:			SUBSEQUEN	T REPORT OF:	
TEST WATER SHU			ALTER CASING	' L	TER SHUT- ACTURE TR	}	WEEKLY PROGRESS REPAIRING WELL.	-
FRACTURE TREAT SHOOT OR ACIDI	<u> </u>		ONAL DRILL ATE CASING			ACIDIZING	ALTER CASING	
REPAIR WELL	x	CHANGE	PLANS				ABANDONMENT	
(OTHER)						· · ·		
					(1)	OTE: Report results or Recompletion	of multiple completion on We in Report and Log Form 4	ii Completion
Sta: Pro	nent to this work rt date fo gram as fo	c) or this ollows:	program i	s set fo	or 11-4-9		true vertical depths for al	
Sta Pro Rig Cha	nentio this work rt date fo gram as fo	c) or this ollows: ine run ibergla	program i	s set fo	or 11-4-9 g @ 500'			
Sta Pro Rig Cha	nent to this work rt date for gram as for up wirelinge out fi	c) or this ollows: ine run ibergla	program i	s set fo	or 11-4-9 g @ 500'	97 release plu	ıg	
Sta Pro Rig Cha	nent to this work rt date for gram as for up wirelinge out fi	c) or this ollows: ine run ibergla	program i	s set fo	or 11-4-9 g @ 500'	97	ıg	
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Sta Pro Rig Cha tri	rt date for gram as for up wirelinge out of l	or this ollows: ine run ibergla hole.	program i in hole, iss flange	set plug to S.S.	or 11-4-9 g @ 500' flange,	release plus a light of the lig	19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	
Star Pro Rig Cha tri	nentio this work rt date for gram as for up wirelinge out fi p out of 1	or this ollows: ine run ibergla hole.	program i in hole, iss flange	set plug to S.S.	or 11-4-9 g @ 500' flange,	release plu	19 18 9 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Star Pro Rig Cha tri	rt date for gram as for up wirelinge out of l	or this ollows: ine run ibergla hole.	program i in hole, iss flange	set plug to S.S.	or 11-4-9 g @ 500' flange,	release plus	19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	
Star Pro Rig Cha tri	rt date for gram as for up wirelinge out of l	or this ollows: ine run ibergla hole.	program i in hole, iss flange	set plug to S.S.	g @ 500' flange,	release plus duction Mgr. STATE	19 8 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Mail Completed Form to: Oil & Gas Program Administrator Artzona Geological Survey 416 W. Congress #100 Tucson AZ 85701-1315 5/96

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CHOMES !

*Amended 10-24-97

SUNDRY NOTICES AND REPORTS ON WELLS

. OIL WELL 🔲 GAS WELL 🗍 OTHER 😿	(Specify)CO2
5. Fleid or Pool Name <u>Wildcat</u> 5. Check Appropriate Box to Indicate Nature of Notice, Report, or Ctl	

- 7-19-97 Ran pressure gauges in hole and set them @ 1500'
- 8-02-97 Rig up and nipple up B.O.P., ran tubing to 1300'
- 8-03-97 Load hole with KCL, trip in hole, latch onto pressure bomb, trip out of hole, trip in hole and circulate out sand from 1670'- 1800'.
- Requested temporary abandonment status 9-22-97, no work has been done to well Note: since 8-3-87.
- * 660 sacks 50/50 G/pos., circulated cement to surface

FILE COPY

8. I herby certify that the foregoing is true and correct.	Tille Production Manager Dale 10-15-97
Permit No. 884 Permit No. 884	Mail Completed Form to: Off & Gas Program Administrator

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SUNDRY NOTICES AND REPORTS ON WELLS

Name of Ope	perator Ridgeway AZ Oil Corp.	
OIL WELL	GAS WELL OTHER (Specify) CO2	
Well Name	State 3-1	
	3566 F/N and 514 F/EL	
.	2 Two 11N Rge. 29E County Apache	Arizona
Sec	state, or Indian Lease Number, or lessor's name if fee lease 13-53801	
Federal, Stat	itate, or Indian Lease Number, or lessor's hame into these	
	· · · · · · · · · · · · · · · · · · ·	
Field or Pool	ool NameWildcat	
Check Appro	propriate Box to indicate Nature of Notice, Report, or Other Data	
, ,	HOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:	
COT WATED	REPUIT OF PULL OR ALTER CASING WATER SHUT-OFF WEEKLY PROGRE	
RACTURE T	TREAT DIRECTIONAL DRILL FRACTURE TREATMENT ALTER CASING	
HOOT OR AC	ACIDIZE PERFORATE CASING SHOOTING OR ACIDIZING ARANDONMENT	
EPAIR WELL	CHANGE PLANS (OTHER) Well Summary Report	[x]
(OTHER)	(NOTE: Report results of multiple completion on or Recompletion Report and Log Form 4	Well Completion
of starting a	BE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including g any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for sepertinent to this work.)	r ali markėrs
-19-97	Ran pressure gauges in hole and set them @ 1500'	
3-03-97	Load hole with KCL, trip in hole, latch onto pressure bomb, trip out hole, trip in hole and circulate out sand from 1670'- 1800'.	; of
Vote:	Requested temporary abandonment status 9-22-97, no work has been do since 8-3-87.	ne to well
	_	
	$ \eta$ - η .	
8. I herby cl	certify that the foregoing is true and correct.	07
Okanad	Tille Production Manager Date 10-15	<u>, - 3 </u>
Subtree 4	20121212m	
•	STATE OF ARIZONA	MISSION
	OIL & GAS CONSERVATION CON Sundry Notice and Reports On W	ells
	File One Copy	
Permit No.	o. 884 OCT Som No. 25 April Completed Form to: Oil & Gas Program Administrator Artrona Geological Survey 416 W. Congress #100	5
	Arizona Geological Survey	
	418 W. Congress #100	

SUNDRY NOTICES AND REPORTS ON WELLS

f, s

1. Name of Operator Ridgeway Az Oil Corp.	
	(Specify)CO2
2. OIL WELL GAS WELL G	•
3. Well Name State 3-1	
	29E County Apache , Arizona
Sec. 3 Twp. 11N Rge. 4. Federal, State, or Indian Lease Number, or lessor's name if fee lease	13-53801
4. Federal, State, or Indian Lease Number, or lessor's name it lee lease	
5. Fleid or Pool NameWildcat	
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other I	SUBSEQUENT REPORT OF:
NOTICE OF INTENTION TO:	LI MESUN DROCHESS
TEST WATER SHUT-OFF PULL OR ACTER CASING	EDACTURE TREATMENT REPAIRING WELL
SHOOT OR ACIDIZE PERFORATE CASING	SHOOTING OR ACIDIZING ALTER CASING ABANDONMENT
REPAIR WELL CHANGE PLANS	
(OTHER)	(OTHER) Temporary Abandonment (NOTE: Report results of multiple completion on Well Completion
	or Recompletion Report and Log Form 4 or Recompletion Report and Log Form 4 state all pertinent details, and give pertinent dates, including estimated date surface locations and measured and true vertical depths for all markers
7" casing set @ 764 4 ½" A.C.G. Fiberglass casing Perfs are: F/1536-1676' We request temporary abandonment s	
	SEP 1997 SEP 1997 ARIZUNA GEOLOGICAL CHILLE BLOCKS CHILL BLOCKS CHILLE BLOCKS CHILL
8. I herby certify that the foregoing is true and correct.	Title Productions Mgr Date 9-22-97
	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Sundry Notice and Reports On Wells File One Copy
Permit No. <u>884</u>	Mail Completed Form to: Off & Gas Program Administrator Artzona Geological Survey 418 W. Congress #100 Tucson AZ 85701-1315

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SUNDRY NOTICES AND REPORTS ON WELLS

. Name of Operator _	Ridgeway	AZ Oil Corp.		
	GAS WELL 😿		(Specify) COA A	
Sec.	Twp	Rge	County	Arizona
Federal State or in	dian Lease Number, or	·lessor's name if fee les	se	
		of Notice, Report, or Oth		
	TICE OF INTENTION		SUBSEQUENT	REPORT OF:
TEST WATER SHUT-		ALTER CASING	WATER SHUT-OFF	WEEKLY PROGRESS
RACTURE TREAT	· L	ONAL DRILL	FRACTURE TREATMENT	REPAIRING WELL
SHOOT OR ACIDIZE		ATE CASING	SHOOTING OR ACIDIZING	ALTER CASING ABANDONMENT
REPAIR WELL	CHANGE	PLANS	(OTHER)	
(OTHER)			• • •	f multiple completion on Well Completion
			or Recompletion by state all pertinent details, and give per theuriese locations and measured and	Report and Log Form 4
Wells on th	eir reports.	K have been tes All well signs	sted by B.C. Services and should be delivered by ells in September, 1997.	August 15, 1997.
				<u> </u>
8. I herby certify that	t the foregoing is true	in collect.	THE 1 //	Date
Signed	you	-9//	108	
(i. 884		OIL & GAS CONS Sundry Notice	OF ARIZONA ERVATION COMMISSION and Reports On Wells e One Copy
Permit No. 211	<u> </u>		Mail Completed Form to: Off & Gas	Program Administrator
V			Artona C 416 W. C	Sociogical Survey congress #100 IZ 85701-1315

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ARIZONA OIL AND GAS CONSERVATION COMMISSION MULTIPOINT AC ONE POINT BACK PRESSURE TEST OR GAS WELL

Connection 21	ype Test						Test Date		Well Nan		
Radicy No.		X Init	ial [Annual		special	1				
Page	ompany				n					lo.	
Mildcat	Ridgeway	AZ Oil	Corp.	2"							
Total Depth Farm or Lesse Name State Post Program Prog	ool			1					t .		
1805 1805	Wildcat			Amos							
Second S	-	e	1	-	1 -	k TD	1		1		2
Second S	09-07-95		1813'				6725		. .		
Size Wil	sg. Size	Wt.	ď		i				1		
	4 ½"	9.5			_ +		то 1676	<u>'</u>			n
Packer Set At County Apache Single Bradeshead	bg. Size	Wt.	d	Set At	1 -	ons:	_		4-4	Sec. Tv	vp. r.ge.
Single Single Single Reservoir Temp. F Mean Annual Temp. F Baro. Pres. Pa State Arizona									<u> </u>		
Single	ype Well — S	ingle — Brac	lenhead — G.G.	or G.O. Multipl	e	Packer Set	Λt		1		
Rate of Flow Calculations	Single									<u>ie</u>	
Lange H Gg S CO2 S N2 S H Prover Meter Run Taps S Temp Press P	roducing Thru	Rese	rvoir Temp. *F	Mean Ann	ual Temp. °F	Baro. Pres	P _a		1		
L	Csg.	85	@ 1606						<u> </u>		Tone
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D. Prover X Origins Press Diff. Temp. Press	1606			99.11	86			- ,	4		r Taride
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RATE OF FLOW CALCULATIONS O. Coefficient (24-Hour)	3.06	1.7	5 197	10.84	72	<u> </u>		2	05	72	24 hr
RATE OF FLOW CALCULATIONS Coefficient (24-Hour)	. [<u> </u>	ļ					
RATE OF FLOW CALCULATIONS O. Coefficient (24-Hour)	•			-		ļ					<u> </u>
RATE OF FLOW CALCULATIONS Super Factor F					<u> </u>	<u> </u>					
O. Coefficient (24-Hour)				<u> </u>		<u> </u>				<u> </u>	
Conficient (24-Hour) Vhw Pm Pm Factor Fg Factor F				RATE	OF FLOW	CALCUL	TIONS				.
2 13,3/2 32.22 33.44 5.5	O. Coe: (24-	fficient Hour)	$-\sqrt{h_W P_m}$		1 1	Factor	Facto	r	Super Compress Factor, Fr	s. F	late of Flow Q. Mcfd
3. 4. 6. 6. 7. 7. 7. 7. 8. 7. 7. 8. 7. 8. 7. 8. 7. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.		922	42.99	211.5	9	887	.803	2 1.	.0443	633	3.67
4. 5.										 	
Second S	 -									-	
No. Pr Temp. 'R Tr Z Gas Liquid Hydrocarbon Ratio. NA					<u> </u>						
Ap. Gravity of Liquid Hydrocarbons NA				Γ' Τ	Cas Liquid I	Ivdrocarbon	Ratio NA				Mef
1.	vo. Pr	Temp.	R T _r								
2.		532						1.55			
3. Critical Pressure 627 ps.1a. 4. Critical Temperature 643 R 5. P _c 438 P _c 191.844 P _c 2		102	1.	T	-	•					
4. Critical Temperature						- '			D.S.	i.a.	p
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P _c 438 P _c 191.844 P _c P _w P _w P _w P _c P _c P _c P _c P _w P _c P _w P _c P _w P _c P _w P _c P _c P _c P _w P _c P _c P _w P _c P _c P _w P _c P _c P _c P _w P _c P _c P _c P _w P _c P _c P _w P _c P _c P _c P _c P _w P _c P _c P _c P _w P _c P _c P _c P _w P _c P _c P _c P _c P _w P _c P _c P _c P _w P _c					Olivical Pell						
NO. Pt 2 Pw Pw Pw Pc Pc Pw Pc Pc Pw	400	P2 19	1.844		P.2		1.28			2 7 n	1.28
1. 205 42,025 149,819 2. 3. AOF=Q Pc Pw AOF=Q Pc Pw AOF=Q Pc Pw ADF=Q Pc Pw ADF				P.2 - P.2	(1)	= -		(2	0	<u> </u>	
ADSOLUTE Open Flow 811.097 Absolute Open Flow 811.097 Absolute Open Flow 811.097 Merid © 15.025 Angle of Slope © 450 Remarks: One point test, B.H.P. from 3rill stem tests CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the		1			P _c ² -	- P _W ²			Pc2	- P _w	
AOF=Q P _C ² = 811.097 Absolute Open Flow 811.097 Mcfd © 15.025 Angle of Slope © 450 Remarks: One point test, B.H.P. from 3rill stem tests CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the		203	12,023	1-17/013			_		-		
Absolute Open Flow 811.097 Absolute Open Flow 811.097 Mcfd © 15.025 Angle of Slope © 450 Remarks: One point test, B.H.P. from irill stem tests CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the				 	407 5	p_2	n At	11-097			
Absolute Open Flow 811.097 Mcfd @ 15.025 Angle of Slope e 45° Remarks: One point test, B.H.P. from Irill stem tests CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the					vol.≔6	7 2 -		- 			
Absolute Open Flow 811.097 Mcfd @ 15.025 Angle of Slope & 450 Remarks: One point test, B.H.P. from Jrill stem tests CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the						L PcE	w				
Remarks: One point test, B.H.P. from Irill stem tests CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the	<u></u>				<u></u>						
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the	Absolute On	en Flow 8	11.097		Mcf	d @ 15.025	Angle of S	lope o 🚣	50	E TO THE	<u>e, n_1</u>
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the		One no	int test.	B.H.P. fr	om dril	l stem t	ests		A10		A
January Control of State of St	Remarks:	O'IC TO							A D	. 4	9
John Mark Of Market Of State o									Ø	1001	
John Mark Of Market Of State o				- 11011	of positions	state that T	am the		- 272	3	
restand under my supervision and direction and that the lasts stated the last	11.77		*	De 1/2 1/2	"	1 /1012		Mul	CONSER Locint am	DATIONAL	MMISSION

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H4-328 (4/93)

UNITED STATES DEPARAMENT OF THE INTERIOR OS. BUREAU OF MINES

HELIUM FIELD OPERATIONS

601 S. FILLMORE

AMARILLO, TEXAS 79101

REPORT OF ANALYSIS

	CUSTOMER O	RDER NUMBER	DATE
CUSTOMER ADDRESS		1E	09/12/95
RIDGEWAY ARIZONA OIL CORP SUITE 1080-700 FOURTH AVE SW CALGARY, ALBERTA T2P-3J4 ATTN: WALTER RUCK	METHOD OF AWLYSIS: MS, GC		
	CHEMIST:	SRMB, KA	
	CERTIFIED:	Jan St Charles	DATE 9/18/65
		The second second	

Lab #	L-46837	L-46838	
Components	WIA-2680	KF-L122	
Hydrogen	< 0.002 %	< 0.002 %	•
Helium	0.695 %	0.692 %	
Methane	0.07 %	0.07 %	
Nitrogen	9.75 %	9.91 %	
Ethane	0.05 %	< 0.05 %	
Oxygen	< 0.05 %	< 0.05 %	
Hydrogen sulfide *	< 0.05 %	< 0.05 %	
Argon	0.12 %	0.12 %	
Carbon dioxide	89.29 %	89.76 %	
Propane	< 0.05 %	< 0.05 %	
Isobutane	< 0.05 %	< 0.05 %	
N-butane	< 0.05 %	< 0.05 %	
Cyclopentane	< 0.05 %	< 0.05 %	•
Isopentane	< 0.05 %	< 0.05 %	
N-pentane	< 0.05 %	< 0.05 %	
Hexanes+	< 0.05 %	< 0.05 %	
Specific Gravity	1.463	1.472	
вти	2	2	



All values are in mole percent.

Tolerance is \pm 5 % of reported value.

Instruments are calibrated using gravimetric gas standards prepared using Class M weights certified by NIST.

* Analysis for lower levels of H2S will not be possible until a reliable standard arrives in about two weeks.

STORES.

HA-325 (4/93)

UNITED STATES DEPAY MENT OF THE INTERIOR • S. BUREAU OF MINES
BELLUM FIELD OPERATIONS 801 S. FILLMORE AMARILLO, TEXAS 79101

REPORT OF ANALYSIS

CUSTOMER ADDRESS

RIDGEWAY ARIZONA OIL CORP
SUITE 1080-700 FOURTH AVE SW
CALGARY, ALBERTA T2P-3J4

ATTN: WALTER RUCK

CUSTOMER ORDER HUMBER

MAXINE

10/30/95

METHOD OF AWLYSIS:
MS, MONITOX

CHEMIST:
DBW, PWH

CERTIFIED:

Location Date
Loca

Lab # L-46894

Components

Hydrogen sulfide 1 ± 1 ppm

Oxygen < 0.05 %

Hydrogen sulfide was determined using a MDA Scientific Compur 4100 Monitox hydrogen sulfide detector calibrated against a 10 ± 1 ppm hydrogen sulfide in nitrogen standard purchase from Air Liquide.

An analysis performed by mass spectroscopy confirmed that the gas sample was not significantly contaminated with air as determine by the conentration of oxygen.



MEMORANDUM TO FILE

DATE: August 25, 1995

FROM: Steven L. Rauzi
Oil and Gas Program Administrator

SUBJECT: CIRCULATION OF CEMENT ON SURFACE CASING & BOP TEST Ridgeway 3-1 State, Permit #884
NE SE Sec. 3 T. 11 N., R. 29 E., Apache County

I witnessed Haliburton circulate cement on the 9 5/8" casing set to about 133 feet per the approved casing program on August 22. Several barrels of cement circulated.

I witnessed the blowout prevention equipment test on August 23. The BOPE tested good.

Ridgeway 3-1 State (884)

8-21-95 Alan Ememberfor: spudded in 3-1, @ 40' + drilling ahead 7/13" hole.

- 8-28-95 Alan Emendorfer: Drillin, out of intermediate CSg. Tripped out for logs and got stuck 10' off bottom. Kelley was off so couldn't votate. Spotted some diesel came free. Went in with bit + apparently some formation came in on them. Decided to forego logs + get 7" CSG in hole, not chance getting logsing tool stuck. No shows in San Andres of Glorieta.
- 9-6-95 Walter Ruck: T.D. @ 1800 Permian. Looks good. Finished css last night (9-5) Good layouer with logs on #1, a little thicker. Will perf 88' net, not upper stuff perfect in PC #1. Running 267' higher than PC #1: Confirms structure. Will set gas analysis + plan to put together a 5-well program.
- 9-13-95 Alan Enerdorfer: 7.D.@ 1813 on 9-2-95. Set 4½"@ 1805. Logs looked good: no DST. Had to beam bottom 300 ft for tunning csq. Perfect 1535'-1674' = 800 metal natural-no acid: 89% Coz, 10% Nitrogen, 07% tle. 490 psi. All economics based on COz.

Plan to stake 4 more wells. Secs 2, 10, 11-12N-29E & Sec 35-11N-29E. Sometime after Oct. 1. Will cope 22-1x tun PtP, saturations, acid solubilities UNITIZATION: desire on gross acteage - logs overlay, consistent helium %, no enhanced recovery involved, one operator. Advise is voluntary - require signature of majority of mineral owners, give Barry Moody (SLD) a call to advise of thinking on unitizing physical. A hearing required for 160 acre spacing.

SUNDRY NOTICES AND REPORTS ON WELLS

	30140	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Name of Operator	Ridgewa	y Arizona O	il Corporat	ion		
2. OIL WELL GAS 3. Well Name	WELL □k 3-1 Sta	 -	(Specify)API 02-001-	-20299		
	3566'FN	L & 514'FEL				
Location	<u> </u>	11N Box	29E	County	Apache	_, Arizona.
Sec	Twp se Number, or le	ssor's name if fee lease	State	e Lease	#13-53-801	
5. Field or Pool Name	Wildcat	Fort Apach	e			
6. Check Appropriate Box to I	ndicate Nature o	f Natice, Report, or O	her Data			
NOTICE O	F INTENTION T	⁻0:		SUBSEQUE	NT REPORT OF:	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE	DIRECTIO	ALTER CASING NAL DRILL TE CASING	WATER SHUT-O FRACTURE TRE SHOOTING OR A	ATMENT	MONTHLY PROGRESS REPAIRING WELL ALTERING CASING	
REPAIR WELL (OTHER)	CHANGE	}	(OTHER)		ABANDONMENT	
			(NOTE: Repo	rt results of mul or Recompletion	tiple completion on Well Co Report and Log form.)	npletion
DESCRIBE PROPOSED Of of starting any proposed wand zones pertinent to this.	rork. If well is a	OPERATIONS (Clearl directionally drilled, giv	y state all pertinent on subsurface location	details, and give as and measured	pertinent dates, including es and true vertical depths for	timated date r all markers
Ridgeway Arizon Permit. This problems.	na Oil re expensio	equests exte n is necessa	ension of 6 ary because	months of rig	for Drilling availability	
	AF By-	PROV 54 Ran 7-3-9	ED S			

Agent

Farm No. 25

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION

Sundry Notices and Reports On Wells File One Copy

8. I hereby certify that the foregoing is true and correct

Permit No.

00884

Paul C. Thompson, P.E.

.

6/26/95



PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION, STATE OF ARIZONA,

To:			RIDGEW	AY ARIZONA	A OIL C	ORPORATION	
10:				(OPERATOR	}	
			to	drill a wel	I to be	known as	
<u></u>	·				1 STATE		
				(WE	LL NAME)		
located	,			3566' FN	L & 514	FEL	
Section	3	Township	11N	Range	29E	APACHE	County, Arizona.
The	NOR'	TH HALF OF	THE S	OUTHEAST	QUARTER		of said
	Township	and Range	is ded	icated to th	is well.		
in full co	mpliance	with all ap	plicable	e laws, stat	utes, ru	es and regulations of	
İssu	ed this	27da	y of	JANUARY		, 1	1 9 95
							ATION COMMISSION
	ني م	7			Ву	Steven L.	Mary
						OIL & GAS PROGRAM	
						<u> </u>	

PERMIT 00884

RECEIPT NO. 3072

A.P.i. NO. 02-001-20299

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

FORM NO. 27

880 T 12 R 29 E RIDGEWAY ARIZONA OIL COMPANY WELLS AND LOCATIONS ST. JOHNS AREA, APACHE COUNTY, ARIZONA

.

P

No. 4B. TOWNSHIP PLAT. -Bradford-Robins, 124. Co., Mfrs. Robinson's Legal Blanks, 1824-46 Stout St.

 $\mathcal{C}_{\mathcal{S}}$

Arizona Agaile County_ R 30E R 29E

Four Township Island plat (1/2" to the mile)

Transas I

• •	/* .	70.4			
				T. C.	
AF	PLICATION	FOR PERMIT	TO DRILL OR R	E-ENTEH	
	N TO DRILL DE		A	E-ENTER OLD WELL []	
RIDGEWAY ARIZONA OI	L CORP.				
AME OF COMPANY OR OPERA	rod Corp.			New Mexico 8740	2
c/o Walsh Engr. & F 7415 E. Main Street	t	Farmingto	on	New Mexico orac	
ddross		City			
doters					
oritling Contractor Not Available					
Address					
		DESCRIPTION OF	WELL AND LEASE	Elevation (grou	ind)
Federal, State or Indian Lease Nun	nber, or if fee lease	, name of lessor	Well number	6725	.643
State Lease #13-53-	801		3-1	the section to peacest drilling.	
Atances distance from proposed to	cation		completed or applied-	or well on the same lease:	
to property or lesse line:	514		First well	on lease	fect
	214	feet	Number of wells on less completed in or drilling	en including this well,	_
Number of scree in lease:			l .	to the case	
2845.96			One	ddress	
Well location (give footage from: 3566 FNL & 51 Field and reservoir (if wildcat, so Wildcat Fort	state)	Sec.	3, T11N, R29E County Apache C	Nž of	se att
Distance In miles, and direction	from nuarest town	or post office			
7 miles SE of	St. Johns	, Arizona		Approx. date work will s	tart
Proposed depth:		Rotary or cable tools		2/15/95 Filing Fee of \$25.00	
2500		Rotary Organization Report		Filing Fee of \$25.00	_
Bond Status On File Amount # 25,000		On file	Or attached	Attached	
Remarks:	izona propo an.	ses to drill	this well accor	ding to the attac	hed
CERTIFICATE: I, the under	signed under the C	senalty of perjury, stat	E 11187 4111 1114	qent	o
Ridgeway Arizon	a Oil Corp. Ny supervision and	direction and that the	(v), and that I am authorize facts stated therein are tr	ted by said company to make us, correct and complete to the	this report: and the re best of my know
API# 02-001-	20299			Paul C. Thompson	
			Date		
Permit Number: Approval Date:	884			STATE OF ARIZON	COMMISSION
CA		Paris	1	Application to Drill or Re	e-ontër

File Two Copies

Form No. 3

Approved By: Stewn .

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

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	01/11/85 11	:07 ′ ′Ω	403 262 529	, , — 4	KIDG	ENAL PEIK	U		21002 · 004
	perator shall outling				gas wells c	on the plat.	\circ		
1. }	perezonanon dann		to and assessed	ranisteri	ed in the S	State of Arize	ona or approved	by the Commission	thall show
	on the plat the local	tion of the v	ven and Certify d						
	ALL DISTANCES							NO L	
4.	s the Operator the	only owner	in the dedicated	acreage out	lined on th	e blat pelow		 -	reement or
	otherwise? YES	NO_	. 11 8(124	ACT IS ACS!	176-11			communitization ag	
6.	if the answer to qu	estion four i	is "no," list all th	je owners ar	nd their res	pective inter	ests below:		
Own	RIDGEWAY A	RIZONA	oil corp	1. 801	10 .	d Description SECTION.	3, TIN., K	29E. ADACHE	=
	FRANK L.			20,	%	COUNTY	AZ.		
			19° 30' 5/" E	530/.G/				CERTIFICATION	NC
	d A.C.		30.07		l l		lab	neraby certify that the ove is true and com	plete to the
							t 1 L	st of my knowledge a	h
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9 07				1111	////	7 1 / /		hereby certify that th	e well location
77.35,00 N		İ					t	lown on the plat wa	s plotted from
80				- -		•	- E n	e or under my super	rision, and that
8			🖟	(4793')		<u>_ </u>	. 6 57 1	ne same is true and col	rect to the best
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						<u>ii</u>		Kun	A STORY
o	330, 660, 880,	132b 1650	1980 2310 28	40 20	00 1500	1000	500 O	Certificate No. 234	47
Ļ				PROPO	SED CASI	NG PROGRA		Costs Costs	Турс
Γ	Size of Casing	Welght	Grade & Type	Тор	Bottom	·	nenting Depths	Sacks Cement 70	G Neat
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K-55

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9-5/8"

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7"

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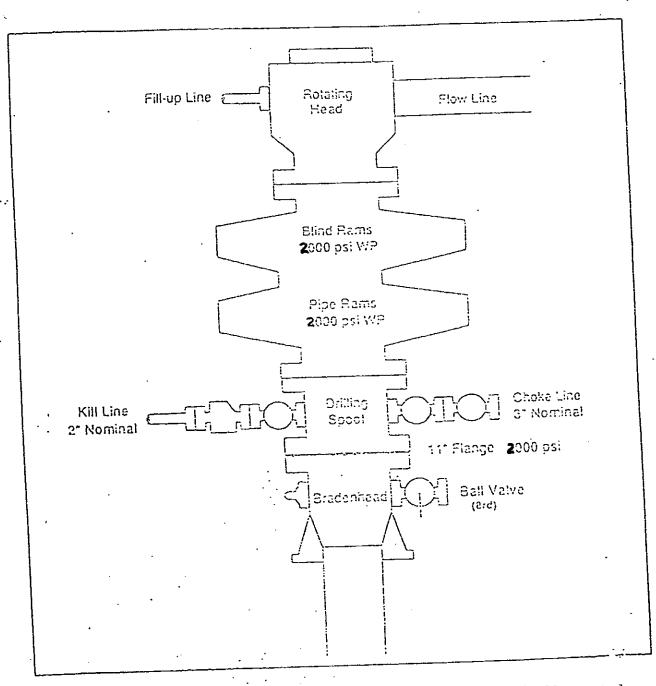
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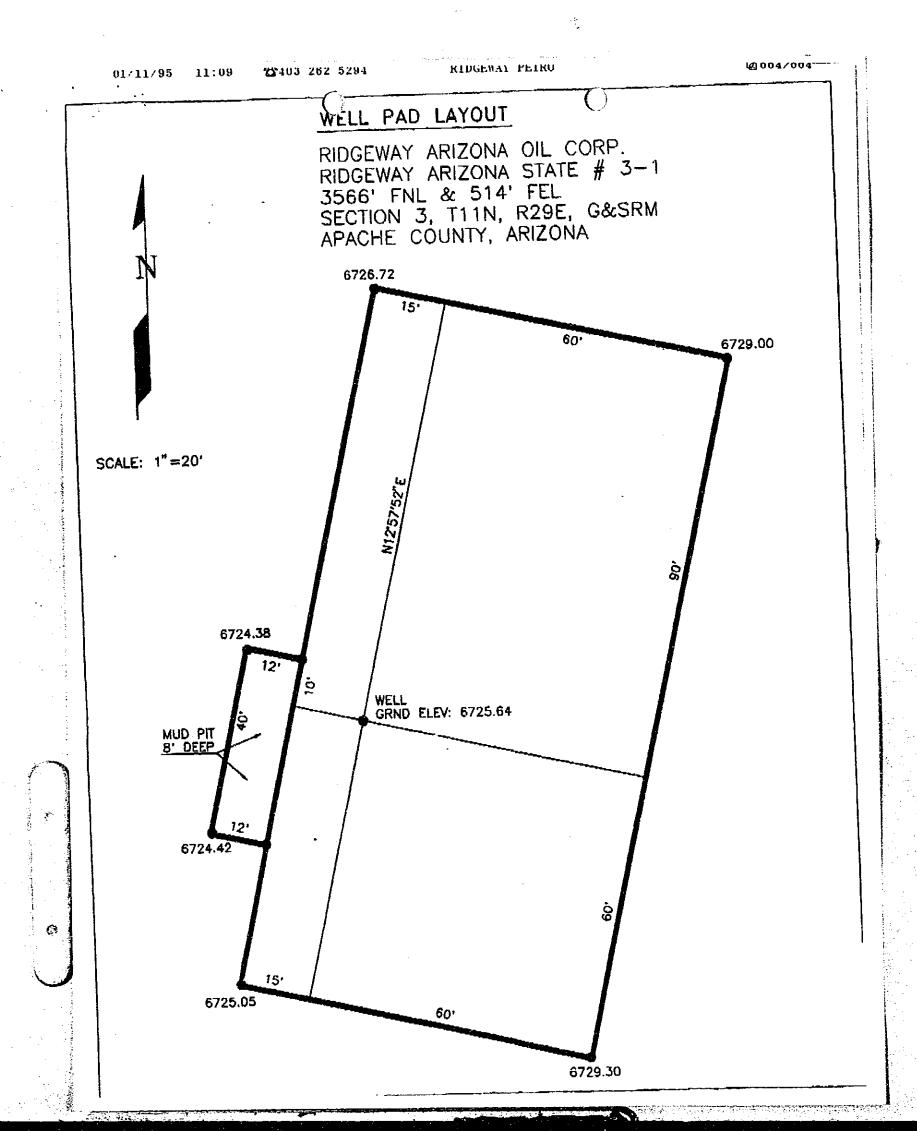
BOP STACK ARRANGEMENT



All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 600 psi. The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

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经规则数据





WALSH ENGR. & PROD. CORP. RIDGEWAY ARIZONA OIL COMPANY DRILLING PROGNOSIS

DATE:

4.500 P. 10.00

1/18/95

#3-/ State -PLATEAU CATTLE CO. #2

Wildcat FIELD:

WELL NAME: LOCATION:

Apache Co, Arizona

State lease -Fee **SURFACE:** # 13-53-801

6726' GR **ELEVATION:**

MINERALS: -Fee

TOTAL DEPTH: 2500'

'GR **ELEVATION:**

GEOLOGY: Surface formation - San Jose

FORMATION TOPS:

MUNITUR TOLOT			15051
Chinle	Surface	Ft. Apache	1525 <i>°</i>
Moenkopi	295′	Granite Wash	2300′
San Andres	335′	Granite	2490'
Glorietta	610′	TOTAL DEPTH	2500 <i>′</i>
Supai	810′		

- LOGGING PROGRAM: Dual Induction, Spectral Density and Dual Spaced Neutron from Intermediate TD to 120' and from TD to 7" casing point.
- C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.
- D. DST. Three DST's are planned in the Ft. Apache. Depths will be selected by on-site geologist.

DRILLING:

- Water and Benex to Spud mud for surface. MUD PROGRAM: top int. casing point. Saturated salt system from 910' to T.D.
- B. BOP TESTING: While drill pipe is in use, the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. The drum brakes will be inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

MATERIALS:

CASING PROGRAM: HOLE SIZE CASING SIZE WT & GRADE DEPTH CASING TYPE 36# K55 12-1/4" 9-5/8" 120' Surface 900 ' 20# K55 7" 8-3/4" Intermediate

()



Operations Plan Page #2

B. FLOAT EQUIPMENT:

- 1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe.
- 2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float one (1) joint above the shoe and eight (8) turbulent centralizers, spaced every other joint, starting with the float collar. Reciprocate pipe while cementing.
- 3. PRODUCTION: 4-1/2" whirler type cement nose guide shoe with a float collar one (1) joint above shoe. Place 5 centralizers spaced every other joint, starting with float collar. Place turbulent centralizers every third joint above regular centralizers to intermediate casing. Total of 10. Reciprocate pipe while cementing.

C. <u>CEMENTING:</u>

- SURFACE: Use 70 sx (83 cuft) of Class "G" with 2% CaCl2 and 1/4# of cello-flake/sx (Yield = 1.18 cuft/sx, weight = 15.6#/gal). Use 100% excess to circulate the surface. WOC 12 hours. Test to 1500#.
- 2. INTERMEDIATE: Lead: 90 sx (184 cuft) of Class "G" w/2% metasilicate and 1/4# cello-flake/sx (Yield = 2.04 cuft/sx, weight = 12.1#/gal). Tail 75 sx (89 cuft) of Class "G" with 1/4# cello- flake/sx and 2% CaCl2. (Yield = 1.18 cuft/sx, weight = 15.6#/gal). Use 100% excess to circulate to surface. Total volume = 212 cuft. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated. Test to 1500#.
- 3. PRODUCTION: 240 sx (415 cuft) of Class "G" with 4% gel, 6-1/4# fine gilsonite/sx and 0.8% fluid loss (Yield = 1.73 cuft/sx, weight = 13.5#/gal). Use 60% excess to circulate liner. Run a temperature survey after 8 hours to determine TOC behind the 4-1/2" casing if cement is not circulated.

O

THOMPSON ENGINEERING & PRODUCTION CORP. 12-88

DBA WALSH ENGINEERING & PRODUCTION CORP. 12-88

1415 E. MAIN PH. 505-327-4892
FARMINGTON, NM 87402

PAY
TO THE
ORDER OF Arizona Oil Conservation Division

Twenty Five and no/160

Twenty Five and no/160

First National Bank
First in Farmington, and the Four Corners
Farmington, Aure, Boomhed, Shippot, New Medito
Ridgeway Arizona Pet. Co.
FOR Filing Fee State 3-1

II 200 26 75 II 1: 10 2 200 54 51: 0 194 174 1 2 II 1

(7)

ngga ngga dani sa panganan na panganan na

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual RIDGEWAY ARLZONA OIL COR	dual PORATION		
Mailing Address and Phone Number			
1080,700 - 4th Ave. SW	Calgary, Alberta, Canada	T2P-3J4	
Plan of Organization (State whether organization is			
Corporation	5 & corporation, Junit stock association, till or partie	eranp, or moreover	
Purpose of Organization (State type of business in	which engaged)		
Oil & Gas Exploration an	d Production		
If a reorganiztion, give name and address of previous	ous organization		
Newco			
If a foreign corporation, give (1) State where incorporated	(2) Name and mailing address of state agent Don Riggs	(3) Date of permit to do business in state	
Arizona State Corp.	PO Box 1110	May 16,1994	
Principal Officers or Partners (if partnership) NAME	St. Johns, AZ 85936	MAILING ADDRESS	
Walter B. Ruck	President	2604 Signal Ridge View S Calgary Alberta T3H 3G1	
Don R. Riggs	Vice President	PO Box 1110	
500 K. K. K. 1930		St. Johns, AZ 85936	
E. Maxine Robertson	Secretary	872 Queensland Dr. SE Calgary, Alberta T2J 6E6	
DIDECTORS NAME		MAILING ADDRESS	
DIRECTORS NAME		·	
Walter B. Ruck	As a	bove	
Don R. Riggs	As a	bove	
E. Maxine Robertson	· As a	As above	
b. Harrie Robertson			
CERTIFICATE: I, the undersigned, under the pi	enalty of perjury, state that I am the <u>Vice</u>	President of the	
Ridgeway Arizona Oil Cor		ed/by said company to make this report; and that this	
	irection and that the facts stated therein are true, co	frect and complete to the best of my knowledge.	
	172 27 Signatur		
#1850g	144.6374	16.67	
A A	Date	-/1-//	
E FE	B1997 Date		
AF	RIZONA DLOGICAL DLOGICAL SURVEY OIL & GA	STATE OF ARIZONA	
GEC GEC	SURVEY OIL & GA	AS CONSERVATION COMMISSION	
Mail completed form to:			
Oil and Gas Program Administrator		Organization Report	
Mail completed form to: Oil and Gas Program Administrator Arizona Geological Survey 416 W. Congress., #100	Form No. 1	File One Copy	
Tucson, AZ 85701	<u> </u>	2/96	

2/96

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ORGANIZATION	REPORT
ORGANICATION	I I C C C C C C C C C C C C C C C C C C

	ONGAMILATION NO.	
Full Name of the Company, Organization, or Indivi	dual AMENDED	
Full Name of the Company, Organization, or Manne	FIFTENDO	
RIDGEWAY ARIZONA OIL CORP	•	
Post Office Address (Box or Street Address)	Onleary Alberta '	r2P 3J4
1080, 700 - 4th Ave. S.W. Plan of Organization (State whether organization is	, Caldaly, Alberton, firm	or partnership, or individuall
Plan of Organization (State whether organization is	a corporation, joint stock dates	
	 ~~	
Purpose of Organization (State type of business in	which engaged!	
	and Production	
If a reorganization, give name and address of previous	ous organization.	
Newco		e agent (3) Dage of permit to do business in state
If a foreign corporation, give	(2) Name and post office address of state	
(1) State where incorporated	MITCHELL PLATT) / MAY 16, 1994
WE ARE AN ARIZONA STATE	P.O. BOX 398	
CORPORATION	ST JOHNS ARIZONA	POST OFFICE ADDRESS
Principal Officers or Parmers (if partnership)	TITLE	
Principal Officers of Partners (II partners in Partner		2504 Signal Ridge View S.
	President	Calgary, Alberta T3H 3G1
Walter B. Ruck	1	3860 Carlock Drive
	Vice-President	Boulder, Colorado 80303
>John B. Sowers, II		872 Oueensland Drive S.E.
	The same of the sa	1
E. Maxine Robertson	Secretary-Treasurer	
	1	
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		POST OFFICE ADDRESS
DIRECTORS NAM	E As ab	
W. B. Ruck	AS do	/V V C
		THE
John B. Somers, II	As al	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
E. Maxine Robertson	As_ab	oove
E. Maxine Robertson		
	_	
		of t
CERTIFICATE: 1, the undersigned, under th	e penalty of perjury, state that I am the ${f P}$	resident
Ridgeway Arizona Oil Co	OID - (company), and that the facts stated then	am authorized by said company to make the best of my knowled ein are true, correct/and complete to the best of my knowled
report was prepared under my supervision a	ud ditection and mar are seen seen are	11/0,00
-21020212	•	or part
(141721161223)	70 27 (1) Signa	iture .
A B AND	- Carlotte	- /0//
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DEC 1994	Date Date	
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DEC 1994 GEOLOG SURVEY	.39 (60 = 3)	STATE OF ARIZONA
GEOLOGIA SURVEY	SULCEIEN 39	OIL & GAS CONSERVATION COMMISSION
	SUR" (c)	
N. S.		Organization Report
~ ~ 90 m 2 m	-11/2	File One Copy

Form No. 1

884

4/82

 Operator
 Ridgeway Arizona Oil Corporation

 Bond Company:
 Bank One Arizona
 Amount:
 \$25,000*

 CD#4002111 (\$10,000)
 07/07/94

 Bond No.:
 CD#4002112 (\$15,000)
 Date approved:
 11/28/94

* Two separate CD's to make up one blanket bond. These 2 CD's are not to be released until all wells covered by the blanket bond have been plugged and abandoned.

Permits covered by this bond: 883

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STATE: ARIZONA COUNTY: APACHE API: 02-001-20299 FIELD: UNNAMED WELL CLASS: WFD RIDGEWAY AZ OIL CORP

3-11N-29E NE SE 3566 FNL 514 FEL SEC STATUS: GAS

3-1 STATE 13-53-801

P IN 884

SPUD: 08/21/1995 COMP: 09/13/1995 ELEV: 6730 KB 6726 GR

ID: 1813 (09/02/1995) FM/TD: FORT APACHE PBTD; 1805 DTD: 1813

CONTR: SMITH WAYNE DRILLING RIG # 1 RIG SUB: 4 (VERTICAL)

PROJ DEPTH/FM: 2500 FORT APACHE PERMIT # 884 LEASE TYPE: STATE TARGET OBJ:

1813 DTD 1805 PB COMP:09/13/1995 # 001 IPF GAS: 634 MCFD 32/64 FCP 90 SICP 400 PROD ZONE: PERF (FORT APACHE) 1536-1676 W/4 PF; , NO DST RUN; FORT APACHE DISCOVERY - NEW FIELD

<u>LOCATION DATA</u>: 10 MI SE ST JOHNS, AZ 4 MI S CO2 GAS DISC (UNNAMED)(SW 15-12N-29E);; <u>CASING</u>: 9 5/8 IN **②** 133 W/90 SACK,7 IN **②** 764 W/150 SACK,4 1/2 IN **②** 1805 W/115 SACK;

© 2000 Petroleum Information/Dwights LLC drb/a IHS Energy Group

03/03/2000

CARD# 0005-AZ

RIDGEWAY AZ OIL CORP

3-1 STATE 13-53-801

(CONTINUED)

LOG TYPES: DLL, SPCT, DENL, DSN;
LOG TOPS: SAN ANDRES 236, GLORIETA /SD/ 543, SUPAI 700, FORT APACHE 1427;
DRLG COMMENTS: AZTECWELL SERVICE #157 COMPLETED;
PRODUCING INTERVALS DATA: # 001 PERF (FORT APACHE) 1536-1676 W/ 4 PF; NATURAL
GAS: 634 MCFD FCP 90 SICP 400; GAS CONT: CO22/4/00 FLOWED 418 MCFGPD (99.2% CO2,
.616% HELIUM, .137% METHANE)
OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230;

API: 02-001-20299, 3-11N-28E

© 2000 Petroleum Information/Dwights LLC d/b/a iHS Energy Group

03/03/2000

CARD# 0005-AZ

PI/DWIGHTS PLUS DRILLING WIRE ™ **ROCKY MOUNTAIN REGION** Section II - 03/03/2000

PAGE 3

COMPLETIONS

ARIZONA / NEVADA-APACHE COUNTY CONTINUED

001(FORT APACHE) 1428-1490 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 30 FT WCM SPL REC: 2400 CC WCM; SPL CHAMBER: 24; IFP 50 FFP 66 IFP 81 FFP 73; ISIP 128 FSIP 112; IHP 707 FHP 696 BHT 89 F DST # 002(FORT APACHE) 1575-1790 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 610 FT HGCM SPL REC: 1200 CC HGCM, 1.25 FT G; SPL CHAMBER :350; IFP 272 FFP 398 IFP 317 FFP 372; ISIP 416 FSIP 421; IHP 791 FHP 760 BHT 89 F DST # 003(FORT APACHE) 2054-2265 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 60 FT HGCM SPL REC: 2200 CC HGCM; SPL CHAMBER: 40; IFP 58 FFP 76 IFP 75 FFP 90; ISIP 258 FSIP 186; IHP 1058 FHP 1047 BHT 98 F 2265 TD, (GRANITE) (TD REACHED: 03/27/1997) PROD TEST(S): # 001 PERF (FORT APACHE) 2070-2224 W/ 1 PF; FRACTURING (2070-2224) GEL 58000 LB SAND AIR 20 BPM 2265 DTD COMP:06/29/1998 TA-G;

RIDGEWAY ARIZONA OIL COMPANY

3-1 STATE 13-53-801 API 02-001-20299

NE SE 3566 FNL 514 FEL SEC

3-11N-29E

UNNAMED; 2500 FORT APACHE PERMIT: 884 (FR:01/30/1995 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936. (520)337-3230 EL: 6730 KB 6726 GR LOCATION DATA: 10 MI SE ST JOHNS, AZ 4 MI S CO2 GAS DISC (UNNAMED)(SW 15-12N-29E); **VERTICAL**;

WFD GAS

CONTR: SMITH WAYNE DRILLING, RIG # 1; SPUD:08/21/1995 CSG: 9 5/8 IN @ 133 W/90 SACK,7 IN @ 764 W/150 SACK,4 1/2 IN @ 1805 W/115 SACK: DRLG COMMENTS: AZTECWELL SERVICE #157 COMPLETED: LOG TYPES: DLL, SPCT, DENL, DSN: LOG TOPS: SAN ANDRES 236, GLORIETA /SD/ 543, SUPAI 700, FORT APACHE 1427; 1813 TD, (FORT APACHE) (TD REACHED:09/02/1995) 1805 PBTD PRODUCING INTERVALS DATA: # 001 PERF (FORT APACHE) 1536-1676 W/ 4 PF; NATURAL GAS: 634 MCFD FCP 90 SICP 400; GAS CONT: CO22/4/00 FLOWED 418 MCFGPD (99.2% CO2, .616% HELIUM, .137% METHANE) 1813 DTD 1805 PB COMP:09/13/1995 # 001 IPF GAS: 634 MCFD 32/64 FCP 90 SICP 400 PROD ZONE: PERF (FORT APACHE) 1536-1676 W/ 4 PF;, NO DST RUN; FORT APACHE DISCOVERY - NEW FIELD

RIDGEWAY ARIZONA OIL COMPANY

11-21 RIDGEWAY STATE

21-11N-30E

NE SW 1980 FSL 1980 FWL SEC

UNNAMED; 2300 FORT APACHE PERMIT: 895 (PMT APP'D 02/18/1997) (FR:02/18/1997 FM Update) LEASE TYPE:STATE; OPER ADD: P O BOX 1110. ST. JOHNS, AZ 85936, (520)337-3230 EL: 6931 KB 6918 GR LOCATION DATA: 4 MI SE UNNAMED FLD(FORT APACHE)CO2 DISC 3-11N-29E 13 1/2 MI SE ST JOHNS, AZ; VERTICAL;

CO₂

CONTR: AZTEC WELL SERVICING, RIG # 124; SPUD:02/21/1997 CSG: 8 5/8 IN @ 817 W/600 SACK,4 1/2 IN @ 2386 W/600 SACK; LOG TYPES: GR, CCL, VD; LOG TOPS: FORT APACHE 1652; SDWL # 001 FORT APACHE 1681-2372 1681 FT DOLO, SL SLTY, SL-MOD SDY, SHLY, LAM SCAT POR 1723.5 FT SS, RD-BRN, VFG, P CONSOL, SLTY INTGR, POR 1741.5 FT SS RD-BRN, VFG, P CONSOL, SLTY INTGR, POR 1783 FT SLTSTN, RDBRN, SL SDY, P CONSOL, MDY, INTGR POR 1834 FT SLTSTN, RDBRN, SLI SDY, P CONSOL, MDY, INTGR POR 1899 FT SLTSTN, RDBRN, SLI SDY, MOD CONSOL. INTGR POR 1951 FT SLTSTN, SLI SDY, MOD CONSOL, SLI MDY, INTGR POR 2020.5 FT SLTSTN, RDBRN-RD, SLI SDY, MOD-W CONSOL, TR INTGR POR 2021 FT SLTSTN, RDBRN-BRN, SLI SDY, MOD-W CONSOL, TR INTGR POR 2109 FT SLTSTN, RDBRN-BRN, SLI SDY, MOD CONSUL, SLTY LAM. INTGR POR 2268.5 FT SH. BRN-BRNRD, TR SDY, MOD-V SLTY, TR POR 2269 FT SLTSTN, BRNRD, SL-MOD SDY, MOD-W CONSOL, TR INTGR POR 2362.5 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTER POR 2363 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTER POR 2372 FT SLTSTN, BRNRD, SL-MOD SDY, MOD CONSOL, FRAC, INTER POR; DST # 001(FORT APACHE) 1610-1664 SHOW OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 400 FT SGCW, 200 FT SGCW SPL REC: 2400 CC W; SPL CHAMBER :39; IFP 157 FFP 342 IFP 160 FFP 321; ISIP 343 FSIP 345; IHP 801 FHP 800 BHT 86 F CO2 GAS SHOW, CO2 GAS SHOW, CO2 GAS SHOW DST # 002(FORT APACHE) 1665-2410 NO OP 30 MIN SI 60 MIN OP 30 MIN SI 60 MIN; PIPE REC: 410 FT SGCM, 250 FT HGCW SPL REC: 2200 CC MCW; SPL CHAMBER: 130; IFP 185 FFP 340 IFP 315 FFP 345; ISIP 367 FSIP 367; IHP 870 FHP 875 BHT 88 F 2410 TD, (GRANITE WASH) (TD REACHED:03/02/1997) 2386 PBTD PROD TEST(S): # 001 PERF (GRANITE WASH) 2268-2396 W/ 1 PF; FRACTURING (2268-2381) GEL 75000 LB SAND GAS: 1560 MCFD # 002 PERF (FORT APACHE) 1715-1744 1787-1964; FRACTURING (1715-1964) GEL 55000 LB SAND AIR 25 BPM GAS: 898 MCFD # 003 PERF (FORT APACHE) 1652-1691 W/ 1 PF; GAS: 712 MCFD PRODUCING INTERVALS DATA: # 001 PERF (FORT APACHE) 1652-1964 W/ 1 PF PERF (GRANITE WASH) 2268-2381; GAS: 3170 MCFD FCP 325; 2410 DTD 2386 PB COMP:01/10/1998 # 001 IPF GAS: 3170 MCFD FCP 325 PROD ZONE: PERF (FORT APACHE) 1652-1964 W/ 1 PF PERF (GRANITE WASH) 2268-2381 COMMINGLED.;

RIDGEWAY ARIZONA OIL COMPANY 12-16-28 RIDGEWAY STATE

API 02-001-20314

16-12N-28E

NW NE 1215 FNL 1991 FEL SEC WILDCAT: 2150 FORT APACHE PERMIT: 902 (PMT APP'D 04/08/1997) (FR:04/10/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 EL: 6000 KB 5987 GR LOCATION DATA: 2 MI SW ST JOHNS, AZ 7 1/2 MI W UNNAMED FLD(FORT APACHE)CO2 DISC 15-12N-29E; VERTICAL;

WO TA-G

CONTR: AZTEC WELL SERVICING, RIG # 124; SPUD:05/21/1997 CSG: 8 5/8 IN @ 1154 W/677 SACK,4 1/2 IN @ 2272 W/560 SACK; LOG TYPES: GR 50-2185; LOG TOPS: GLORIETA /SD/ 460, FORT APACHE 1340; 2274 TD, (FORT APACHE) (TD REACHED:05/25/1997) PROD TEST(S): # 001 PERF (FORT APACHE) 1340-1370 W/ 1 PF; ACID (1340-1370) W/ 2000 GAL ACID 15% HCL 2274 DTD COMP:10/23/1998 TA-G; , NO DST RUN

RIDGEWAY ARIZONA OIL

COMPANY

12-15-30 RIDGEWAY API 02-001-20312

(, :

NE SW 1980 FSL 1980 FWL SEC

15-12N-30E

WILDCAT; 2400 FORT APACHE PERMIT: 900 (FR:03/17/1997 FM KMS) LEASE TYPE:STATE TARGET OBJ: GAS; OPER ADD: P O BOX 1110, ST. JOHNS, AZ 85936, (520)337-3230 EL: 6724 KB 6711 GR LOCATION DATA: 10 1/2 MI E-SE ST JOHNS, AZ 5 MI E UNNAMED FLD(FORT APACHE)CO2 GAS DISC 15-12N-29E; VERTICAL;

WF TA

CONTR: AZTEC WELL SERVICING, RIG # 124; SPUD:05/08/1997 CSG: 8 5/8 IN @ 1263 W/668 SACK,4 1/2 IN @ 2590 W/600 SACK; LOG TYPES: CNDL 60-2510, AISF 1600-2537; LOG TOPS: GLORIETA /SD/ 850, SUPAI 1082, FORT APACHE 1760, GRANITE WASH 2495; 2595 TD, (GRANITE WASH) (TD REACHED:05/14/1997) PROD TEST(S): # 001 PERF (FORT APACHE) 1848-1852 1858-1872 1904-1912 1926-1935 1953-1956 1964-1970 W/ 1 PF; WTR: 52 BBL # 002 PERF (FORT APACHE) 1784-1812; GAS: TSTM WTR: 52 BBL GAS CONT: CO2 # 003 PERF (FORT APACHE) 1752-1753; 2595 DTD COMP:10/30/1998 TA; , NO DST RUN





Jane Dee Hull

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

January 24, 2000

Mr. Thomas White Production Manager Ridgeway Arizona Oil Corporation P.O. Box 1110 St. Johns, Arizona 85936

Re: Wells 3-1, 22-1X, 11-21, 10-22, 9-21, 10-16-31, and 12-15-30 State

Dear Mr. White:

Dr. Nations, on behalf of the Oil and Gas Conservation Commission, has granted your request to extend temporary abandonment of the referenced wells through January 2001.

Sincerely,

Steven L. Rauzi Oil & Gas Administrator

Staul Raij

c Larry D. Fellows, Director and State Geologist

J. Dale Nations, Chairman, Oil and Gas Conservation Commission



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Tuesday, January 18, 2000

Mr. Steve Rauzi
Oil & Gas Administrator
Arizona Geological Survey
416 W. Congress, Suite 100
Tucson, Arizona 85701

e: Extension for temporary abandonment status

Dear Mr. Rauzi:

We are requesting temporary abandonment status for the following wells: 3-1 State (permit 884), 22-1x State (permit 888), 11-21 State (permit 895), 10-22 State (permit 896), 9-21 State (permit 897), 10-16 State (permit 899), 12-15 State (permit 900).

Also we are still waiting for response from the State Land Department concerning wells 9-22 (permit 898), 12-16 (permit 902) as to whether they will be converted to water well use or plugged.

Thomas White

Production Manager

C Larry Fellows, Director
Dale Nations, Chairman, Oil and Gas Conservation Commission



P.O. Box 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522





State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



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Larry D. Fellows

PIN 884

January 12, 2000

Mr. Thomas White **Production Manager** Ridgeway Arizona Oil Corporation P.O. Box 1110 St. Johns, Arizona 85936

Re: Status of Shut-in Wells

Dear Mr. White:

This letter is a reminder that the extension granted to your 7 shut-in wells is set to expire this month. Procedures for extending the confidential status are provided in A.A.C. R12-7-125.

Sincerely,

Steven L. Rauzi Oil & Gas Administrator

Levert Raining

Larry D. Fellows, Director and State Geologist J. Dale Nations, Chairman, Oil and Gas Conservation Commission





Jane Dee Hull Governor State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologic

May 13, 1999

Mr. Thomas White Production Manager Ridgeway Arizona Oil Corporation P.O. Box 1110 St. Johns, Arizona 85936

Re: Status of Shut-in Wells

Dear Mr. White:

This will confirm the Oil and Gas Conservation Commission's decision of May 7, 1999, regarding the status through January 2000 of Ridgeway's 10 shutin wells.

- 1. The Commission granted extension of shut-in status for the 7 wells located on active leases. These include wells 3-1 State (Permit 884), 22-1X State (888), 11-21 State (895), 10-22 State (896), 9-21 State (897), 10-16-31 State (899), and 12-15-30 State (900).
- 2. The Commission did not grant an extension for the 3 wells located on leases released by Ridgeway. These include wells 9-22-29 State (898), 12-16-28 State (902), and 10-26-29 State (903).

As you know, A.A.C. R12-7-125 requires the 3 wells not granted an extension to be plugged and abandoned or converted to water well use pursuant to A.A.C. R12-7-129 before Ridgeway's performance bond may be released on the wells.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Stevent Raiz

Larry D. Fellows, Director and State GeologistJ. Dale Nations, Chairman, Oil and Gas Conservation Commission

884





Jane Dee Hull Governor State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500

March 12, 1999



Larry D. Fellows
Director and State Geologist

Mr. Thomas White Production Manager Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Re: Status of temporary abandonment

Dear Mr. White:

You may recall that the Oil and Gas Conservation Commission brought the referenced matter up at its January 15, 1999, meeting. For some reason, the matter was delayed until a later part of the meeting but was not brought up again.

As a result, I have no decision to report at this time. The current shut-in status of your wells will continue until the Commission's next meeting on May 7, 1999.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Stevent Rain

Larry D. Fellows, Director and State Geologist J. Dale Nations, Chairman, Oil and Gas Conservation Commission



Thursday, March 04, 1999

Mr. Steve Rauzi Az. Geological Survey Suite 100 416 W. Congress Tucson, 85701

Re: Status of temporary abandonment

Dear Mr. Rauzi,

On Jan. 20 1999 Ridgeway AZ Oil Corp requested to temporarily abandon well permit numbers: 888, 895, 897, 896, 898, 898, 899, 900, 902, 884, 903. To date we have not heard back form the Oil and Gas Commission concerning their decision.

ARIZONA GEOLOGICAL

Please inform us in writing of their decision, also if there are any questions as to the above-mentioned wells please call.

Respectfully,

Homes

Thomas White

Production Mgr. RAOC

Cc: Mike Rice, AZ State Land Dept.

P.O. Box 1110 St. Johns, AZ 85936 Tel: 520 337 3230

Fax: 520 587 3522



Wednesday, January 20, 1999 Mr. Steve Rauzi Az. Geological Survey Suite 100 416 W. Tucson, 85701

RE: Request of temporary abandonment status for State Permit #'s 884, 888, 895, 896, 897, 898, 899, 900, 902 and 903

Dear Mr. Rauzi:

We are requesting that temporary abandonment status be extended to the above-mentioned wells, as was mentioned in my letter dated Jan. 05, 1999 these wells have well-bore skin damage and warrant further testing and evaluation.

If there are any questions concerning this matter please advise.

Sincerely,

Ridgeway AZ. Oil Corp.

Thomas White

Production Manager

Mike Rice Andrew Hurwitz



if mere are any questions concerning this matter please advise.

further resting and evaluation. We are requesting the surport typhraden time alreading an entering to the deve-min frame verific as was manifolded to my faiter dated fam 67. 1989, those wells have well-bose shin dramps and was an entering to the contract of the contract

> P.O. Box 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522



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Tuesday, January 05, 1999 Mr. Steve Rauzi Arizona Geological Survey 416 W. Congress, Suite 100 Tucson, AZ. 85701 884

Dear Mr. Rauzi:

I've included the test results from 3-1 also from 10-16, as stated per our phone conversation yesterday 11-21 is the last well we have ready for test, 9-22, 10-22, 12-15, 12-16, 10-26 these wells all need remedial work before they can be tested.

Also through our engineering study on the reservoir we have extensive skin damage in all of our wells that will require further testing and evaluation.

If there are any further questions please advise

Sincerely,

Ridgeway AZ Oil Corp.

Thomas White

Production Manager R.A.O.C.



P.O. 80x 1110 St. Johns, AZ 85936

Tel: 520 337 3230 Fax: 520 587 3522



June 9, 1998

Osborn Maledon Attorneys at Law P. O. Box 36379 Phoenix, AZ 85067-6379

Attn: Mr. G. Murray Snow

RE: Ridgeway AZ Oil Corp.

St. Johns CO₂ Project Apache County, AZ

Dear Murray:

Ridgeway AZ Oil Corp. (RAOC), is having a lot of trouble with the Arizona Geological Survey (AGS), namely Mr. Steve Rauzi. Enclosed, will find a copy of a meeting Mr. Rauzi called for the Oil & Gas Conservation Commission on October 31, 1997. This meeting was to discuss the fact that we have not filed completion reports on our Arizona wells. We have filed reports on two (2) wells, State 3-1 and State 22-1X, because these wells have been completed. No other wells have been completed. Some test work has been done but our final testing and evaluation has not been completed.

Mr. Rauzi asked that RAOC place all it wells in a Temporary Abandonment, I argued before the Commission that Long Term Temporary Abandonment was not necessary in a development project such as ours. The commission forwarded Mr. Rauzi's request to Mr. J. Dennis Wells for clarification of what Temporary Abandonment would do to our lease status. Mr. Wells issued an opinion on December 17, 1997 (enclosed) followed by Mr. Rauzi's letter on January 23, 1998 (enclosed) placing all the wells in temporary abandonment.

Now on May 18, 1998 Mr. Rauzi sent letter (enclosed) saying we need to file completion reports with all related data on the eight wells that have not been completed. Mr. Tom White, of this office, responded on May 26, 1998, (enclosed) that indeed all wells were in Temporary Abandonment status by letter of January 23, 1998.

On June 5, 1998, Mr. Rauzi responded with another letter (enclosed) saying according to the AGS AAC R 12-7-121, "a completion report is due within 30 days of a well being in Temporary Abandonment Status". Murray, I have read and reread AAC R 12-7-121 and I do not find where his statement is correct.

My understanding of R 12-7-121 is as follows:

a) While it states that the Commission considers a well completed, if it is Temporarily Abandoned.

P.O. Box 1110 St. Johns, AZ 85936 Tet: 520 337 3230

Fax: \$20 587 3522

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file 894



Page 2 of 2

June 9, 1998

Mr. Snow, our wells are not completed, therefore, in order for us to file a Completion Report would be to publish false documentation.

States that you must file a report 30 days after completing the well.

It does not say 30 days after drilling, or 30 days after Temporary Abandonment, only that you will file your report 30 days after completing the well.

Please read the enclosed Arizona Administrative Code R 12-7-121 and R 12-7-125. RAOC has complained with R 12-7-125 and has been granted Temporary Abandonment Status for all wells in the Arizona field, and please advise.

If you have any questions regarding this matter, please feel free to contact me at 520-337-3230.

Sincerely,

Don Riggs

Vice President of Operations

AZ OIL CORP

DR:ct Enclosures

J. Dale Nations, Commissioner AZ State Land Dept.

Dr. Larry D. Fellows, Dir. & State Geologist

(

Mark Steadman, Office of the Attorney General

G.M.Snow.6-9-98

P.O. Box 1110 St. Johns, AZ 85936

Tel: 520 337 3230

Fax: 520 587 3522

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Jane Dee Hull Governor

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

June 5, 1998

Mr. Thomas White Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

nna 05026

Re: Review of well files:

Wells 11-21 State (Permit #895), 10-22 State (896), 9-21 State (897), 9-22-29 State (898), 10-16-31 State (899), 12-15-30 State (900), 12-16-28 State (902), and 10-26-29 State (903).

Dear Mr. White:

Thank you for your letter of May 26, 1998. Please note that under our rule A.A.C. R12-7-121 a completion report is due within 30 days of a well being temporarily abandoned. It has been 4 months since the referenced wells were approved for temporary abandonment and completion reports are due. Please forward the reports. Several completion reports are enclosed for your convenience.

According to sundry notices in our files, Ridgeway ran downhole pressure gauges in its 3-1 State (884), 22-1X State (888), and 11-21 State (895) in mid 1997 but did not report the pressure results. Please forward the downhole pressure results.

Thank you.

Sincerely,

Steven L. Rauzi Oil & Gas Program Administrator

c Larry D. Fellows, Director and State Geologist
J. Dale Nations, Chairman, Oil and Gas Conservation Commission

enclosures

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May 26, 1998

Mr. Steve Rauzi Arizona Geological Survey 416 W. Congress, Suite 100 Tucson, Arizona 85701

Re: Request of Completion Reports

Dear Mr. Rauzi:

Enclosed you will find a copy of your Jan.23, 1998 written permission for temporary abandonment. These wells are temporally abandoned pursuant to A.A.C. R12-7-125, according to this code "Permission shall be granted for a period not to exceed 1 year. One-year extensions may be granted." Therefore these wells are shut-in for evaluation and are not completed, we also understand that we are obligated to notify the Commission at least 10 days prior to re-entry (a.a.c.r12-7-125.d), there has not been any further work done to these wells

If there are any questions please advise

Thomas White

Sincerely,

Production Manager R.A.O.C.

C Larry Fellows Director and State Geologist

Rauzi5/26/98

P.O. 80x 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522





Jane Dee Hull Governor

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows
Director and State Geologist

January 23, 1998

Mr. Thomas White Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Re: Temporary abandonment of Ridgeway Arizona Oil Corporation wells: State Permit #'s 884, 888, 895, 896, 897, 898, 899, 900, 902, and 903

Dear Mr. White:

This letter constitutes written permission for temporary abandonment of the referenced wells pursuant to A.A.C. R12-7-125.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Stevent Rais

C Oil and Gas Commissioners

Page 2

After discussing if a temporarily-abandoned versus shut-in status would prevent Ridgeway from continuing to hold its leases, whether a gas analysis is a test required under the oil and gas rules, and the extension of confidentiality with Messrs. Riggs and White of Ridgeway,

Mr. Lanshe moved, seconded by Dr. Clay:

TO APPROVE THE RECOMMENDATION OF THE ADMINISTRATOR TO TEMPORARILY ABANDON RIDGEWAY'S WELLS SUBJECT TO DETERMINATION BY THE LAND DEPARTMENT THAT SUCH STATUS WOULD NOT JEOPARDIZE RIDGEWAY'S ABILITY TO CONTINUE TO HOLD ITS LEASES

Motion carried unanimously.

Mr. Lanshe moved, seconded by Dr. Clay:

THAT THE COMMISSION DEFER ACTION ON WHETHER A GAS ANALYSIS IS A TEST AND THE COMMISSION'S ABILITY TO GRANT A SIX-MONTH EXTENSION OF CONFIDENTIALITY PENDING A WRITTEN OPINION FROM LEGAL COUNSEL

Motion carried unanimously.

COMMISSION POLICY ON PUBLIC AND INDIAN LAND

Mr. Rauzi reported that the Commission holds bonds for companies drilling on public and Indian lands even though companies drilling on public land are required to post a bond with the federal government and companies drilling on Indian land are required to post a bond with the BIA. He reported that the bonds held by the Commission are duplicate bonds.

Mr. Lanshe moved, seconded by Dr. Clay:

THAT THE ADMINISTRATOR RELEASE DUPLICATE BONDS IF EVIDENCE OF BONDS HELD WITH THE FEDERAL GOVERNMENT OR BIA IS OBTAINED

Motion carried unanimously.

CALL TO THE PUBLIC

Paul Buff reported that the Bureau of Land Management would hold its next oil and gas lease sale in December.

ANNOUNCEMENTS

None.

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Arizons State Tand Bepartment

1616 WEST ADAMS
PHOENIX, APIZONA 8500



December 17, 1997

file 884

Mr. Don Riggs, Vice President Operations Ridgeway Arizona Oil Corporation P. O. Box 1110 St. Johns, Arizona 85936

Re: Well Classifications

Dear Mr. Riggs:

As discussed during the Oil and Gas Commission meeting of October 31, 1997, the Department has reviewed your concerns about certain wells being classified as "Temporarily Abandoned." Based upon our review of the oil and gas lease agreement, the Department does not believe the classification jeopardizes the lease or any extension of the lease beyond the primary term. The basis for our position is as follows:

- There are no leases held by Ridgeway Arizona Oil Corporation in which the primary term expires earlier than 1999.
- There has been no production from state land nor has there been demonstrated to the Department a discovery on state land. In the absence of either a discovery well or production from state land, an extension of the lease must be exercised through Section 2, Paragraphs b and c of the agreement.
- With the exception of extending the lease through diligent drilling, completion, reworking operations, or production from the property, the longest term of any oil and gas lease is for a period of ten years. Since the act of diligently developing or producing from the property is a requirement for extending the lease beyond a term of 10 years, the classification of the well has no bearing upon the granting of an extension by the Department.

Mr. Don Riggs, Vice President Operations December 17, 1997 Page 2

For your convenience I have enclosed a copy of the Department's oil and gas lease agreement and specifically refer you to Page 2 of the agreement. Should you have any further questions regarding this matter, please feel free to contact the Department at any time.

Sincerely,

Dennis Wells

State Land Commissioner

JDW:mlt

Enclosure

c: Oil and Gas Conservation Commission

Arizona Geological Survey Attention: Steven L. Rauzi

O

Ridgeway

Arizona Oil Corporation

Arizona Geological Survey 416 W, Congress Suite 100 Tucson, AZ 85701

ATT. Mr. Larry Fellows

Dear Mr.Fellows

This letter is to request a 6 mo. extension on the confidential status of our wells. We would like to keep all of our well information confidential, if more information is needed please advise.

Thomas White
Production Manager, RAOC

Cc: J.Dale Nations, Oil Gas Conservation Commissioner, and Chairman Marc Steadman, Office of Attorney General Walter Ruck, President of Ridgeway Petroleum Corp.

Fel.10-14-97



10/14/1997

P.O. Box 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522







Jane Dee Hull Governor

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

October 6, 1997

Mr. Thomas White Production Manager Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

884

Dear Mr. White:

Our records continue to show that Ridgeway Arizona Oil Corporation remains out of compliance with its obligation to (1) file copies of all gas analyses reported in your letter of September 5, 1997; (2) plug and abandon the Plateau Cattle #1A well; and (3) report complete testing results for all perforated intervals in all wells drilled and perforated in 1997, including the testing reported in News Releases by Ridgeway Petroleum Corporation in April, May, and June 1997.

Please be advised that pursuant to A.R.S. § 27-527(B) each operator is required to file a full, true, and correct record of its operations.

Sincerely,

Steven L. Rauzi

Stark La

Oil & Gas Program Administrator

 Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman Larry D. Fellows, Director and State Geologist
 Marc T. Steadman, Office of Attorney General



September 22, 1997

Mr. Steve Rauzi Arizona Geological Survey 416 W. Congress, su.100 Tucson, Arizona 85701

Dear Mr. Rauzi

Enclosed you will find notices requesting temporary abandonment status for all of our wells.

file 884

ARIZONA GEOLOGICAL

If there are any questions please advise

Sincerely,

Thomas White

Production Manager R.A.O.C.

cc. Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman Larry D. Fellows, Director and State Geologist Office of Attorney General

Walter Ruck

Rauzi.9-22-97

P.O. Box 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522



Jane Dee Hull Governor

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

September 8, 1997

Mr. Thomas White Production Manager Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

884

Dear Mr. White:

This will acknowledge your letter of September 5 with a second copy of our Form 18 dated July 25 for the 22-1X (Permit 888) well attached. Please note that Ridgeway Arizona Oil Corporation is required to submit a copy of the gas analyses that you reported were taken at various wells and which were composited and used for the percentages of CO₂, N₂, and Helium that are reported on our Form 18. A copy of the gas analysis we have on file is enclosed. It is this type of substantiating gas analyses that Ridgeway is required to file.

Regarding your letter of September 4, please note that operators are required to (1) explain why temporary abandonment is necessary and (2) file a description of the current mechanical condition of the well including casing and perforation record before this office may consider the request. Our files show that no record has been submitted for the 9-22-29 (Permit 898) well. This office understands that testing and stimulation testing of this well started in April or May. Ridgeway is required to file a full, true, and correct record of its testing operations

Our records show that we have received no response to our letter of August 12, 1997, about the status and your plans for the 11-21 (Permit 895), 12-15-30 (Permit 900), 12-16-28 (Permit 902), 10-26-29 (Permit 903), and 9-22-29 (Permit 898) wells.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosure

 Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman Larry D. Fellows, Director and State Geologist Marc T. Steadman, Office of Attorney General Walter B. Ruck, President, Ridgeway Petroleum Corporation



September 5, 1997

Mr. Steve Rauzi Arizona Geological Survey 416 W. Congress, su.100 Tucson, Arizona 85701

Re: Gas Analyses

Mr. Rauzi

Inclosed you will find a copy of the flow test report. We feel this is the most accurate gas analyses. This was put together by Pecos Petroleum Engineering Inc. This report is a composite of the gas analyses taken at various wells and cannot be substantiated by any 1 gas analyses report. This is a *engineers* report

Should you need more information please feel free to call **Bruce Stubbs** at Pecos Engineering Inc. (505) 624-2800.

Thank You,

Thomas White Production Manager R.A.O.C.

cc. Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman Larry D. Fellows, Director and State Geologist Office of Attorney General Walter Ruck

Rauzi.9-5-97



P.O. Box 1110 St. Johns, AZ 85936 Tel: 520 337 3230 Fax: 520 587 3522

G-2-97 (armen Tanner, RACL Calls
Asked for address of Date, Larry, Office of Atty General
1 provide information.
file

19-4-97 Tom White, RADE Calls. (morning)

Introduce himself as new production Mgr for Ridgeway

Dut of Calif, been out of business awhite but now work for Ridgeway

Asked if I beceived core awalges + (well scan) our my 8/29 letter.

I advise no.

He sent couple of days aso, prob still in mail
If aughbins just let him know 4 he'll see we get it.

I advise of senem I teporting requirements for all operators.

IP.D wash 4 dry Cuttings on 22-1x, 11-21(2) substantiatins sus awaylyses,

B weekly progress reports, (4) need to 14A is obtain TA status for

wells SI longer than 60 days.

He advised not familiar, just hired on, but will check

with Risss 4 malle sure I set this intormation.

Don Risss, RACC, Calls (afternoon) He talked to Tom White this morning about our needs. He advised the Form 18 (my letter of Sept. 2, 1997) was the Final Engrs Report. Anything prior to that has preliminary, field date. I advise CO2 N2 + He %'s teported on Form 18 not match gas analyses outile He didn't follow weo Form 18 was filled out by Pegasus Engra + is Final Rpt. I advise we have @ US Pukan of Wines analysis it sas from PCA I diviled in 1944. (2) US BOWN analysis of 505 from 3-1 drilled in 1955. [Final, not field : These do not mutch [OL, Nz, He percentages reported on Form 18. Form 18 is not a gas analysis, It calls for % to determine, fideal gas or not. Percentages reported on Firm 18 must be based on gas analysis different from outile We need a copy of analysis stubstantiating of reported on Form 18. RADE as operator responsible to submit, or call pegasus + have thous send. When did they get %'s reported on Form 18. We need that and 95is. He advised me that RAOC not doing any testing operations@ Plesant, Doing coment squeeze, surabbing let but want to make sure before they have I advise then report coment sturing, swabbed with fix week, etc. I advise any well shut-in for 60 days must be PHA or TA. He respond that it's hard getting setrices over here Just got agreement for quaranteed survices, personnel, etc. Just not the Mai on Sept 2. > then ppt that in tiguest for TA

the will thick with Pegasus, eta

63



Fife Symington Governor

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500

(520) 770-3500 September 2, 1997

. file 884



Larry D. Fellows
Director and State Geologist

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

This will acknowledge receipt of our Form 18 dated July 25 reporting the absolute open flow for the 3-1 (Permit 884) and 22-1X (Permit 888) wells. The percentages of carbon dioxide, nitrogen, and helium reported on these forms do not match gas analyses currently on file with this office.

Please note that Ridgeway Arizona Oil Corporation is required to submit the gas analyses substantiating the percentages reported on our Form 18.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with its obligation to: (1) file all gas analyses; (2) submit Weekly Progress Reports for each well in its current testing operations; and (3) submit application to plug and abandon or document mechanical integrity of and obtain written permission to temporarily abandon its 12-15-30 (Permit 900), 12-16-28 (Permit 902), 10-26-29 (Permit 903), and 9-22-29 (Permit 898) wells.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Stevent. Rang

 Oil and Gas Conservation Commissioners, J. Dale Nations, Chairman Larry D. Fellows, Director and State Geologist
 Office of Attorney General





Fife Symington Governor

State of Arizona Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701

(520) 770-3500



Larry D. Fellows Director and State Geologist

August 4, 1997

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

Thank you for sending the Sundry Notices of July 28 reporting the spud date, total depth date, and total depth for some of your wells. These reports, however, do not provide the drilling record required by this office.

Please be advised that this office requires a drilling record that clearly states the pertinent details and dates of all operations that ultimately affect the well, conservation of resources, public health and safety, and the environment. This would include at a minimum a record of (1) daily footage with brief description of daily activity, i.e. drilling, running casing, testing, logging, etc.; (2) individual intervals of lost circulation or uncontrolled flows; (3) amount and type of any lost circulation material or diesel fuel added to the mud; (4) number of cored intervals including recovery and brief description of each individual core; (5) number of DST's including a description of pressures and recoveries of each individual DST interval; and (6) wireline logs and sidewall cores run.

Some of the Sundry Notices you sent reported perforated intervals but did not report initial pressure and flow results. Please be advised that this office requires the Sundry Notice to clearly state all pertinent details including date each individual interval was perforated and pressure and flow results before and after stimulation.

Please note that the drilling record for the 11 wells drilled by Ridgeway in 1997 are past due.

Sincerely,

Steven L. Rauzi Oil & Gas Program Administrator

Oil and Gas Commissioners; Larry D. Fellows Office of Attorney General

RIDGEWAY AZ OIL CORP.

July 28, 1997

Arizona Geological Survey 416 W. Congress Suite 100 Tucson, AZ 85701

Attn: Mr. Steve Rauzi

RE: Sundry Notices/Reports

Dear Mr. Rauzi:

Enclosed please find the Sundry Notices and Reports on Wells, for Ridgeway AZ Oil Corp. for wells State 22-1X, State 11-21, State 10-22, State 9-21, State 10-16-31, State 12-15-30, State 12-16-28, and State 10-26-29.

If you have any questions regarding this matter, please advise.

Carmen Tanner Office Manager

CT:ct

Enclosures

Rauzi 7-28-97

Missin; Sundry Notice for:

9-22-29 (898) - May 21 PR rpt; Stim +test 5 zows 8 ever 15 days. Free tanks on loc 5/31

15-28-29 (904)





Fife Symington

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500

July 28, 1997



Larry D. Fellows Director and State Geologist

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

In response to your phone call about expired permits 890, 891, 892, and 893, please be advised that extensions may be considered after we receive your request certifying in writing that the wells will be drilled in accordance with the drilling prognosis and all conditions and notification requirements of the original permits.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with Commission rules in several areas. Ridgeway is not in compliance with its obligation to: (1) plug the 22-1 State (885) and Plateau Cattle 1A (883) wells; (2) post identifying signs at each well; (3) file samples on the 22-1X (888) and 11-21 (895) wells; (4) file logs, tests, core chips, and analyses; (5) report the stimulation of any well within 15 days of the stimulation; and (6) submit sundry reports detailing operations from spud date to current status for each of the 11 wells drilled by Ridgeway in 1997.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Speven C. Pains

c Oil and Gas Commissioners; Larry D. Fellows
Office of Attorney General

O





Fife Symington Governor

State of Arizona Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500

July 16, 1997

Larry D. Fellows Director and State Geologist

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

As we previously discussed, rules of the Arizona Oil and Gas Conservation Commission require operators (1) to conduct a test to determine the reservoir pressure on the discovery well of any new pool and (2) to determine the open flow capacity of each new producing gas well. The open flow capacity is to be submitted on our Form 18, Multipoint and One Point Back Pressure Test for Gas Well, several copies of which are enclosed for your convenience. These reports are now due for the Plateau Cattle 1 (880), 3-1 (884), and 22-1X (888) wells.

Our records show that Ridgeway Arizona Oil Corporation remains out of compliance with Commission rules in several areas. Ridgeway is not in compliance with its obligation to: (1) plug the 22-1 State (885); (2) post identifying signs at each well; (3) file samples on the 22-1X (888) and 11-21 (895) wells; (4) file logs, tests, and analyses; (5) report the stimulation of any well within 15 days of the stimulation; and (6) submit sundry reports detailing operations from spud date to current status for each of the 11 wells drilled by Ridgeway in 1997.

Note that the temporary abandonment status for the 1A Plateau Cattle (883) has expired. As a result, advise this office as soon as possible when and how you plan to plug it.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Steven L. Ravin

Enclosures

Oil and Gas Commissioners; Larry D. Fellows Office of Attorney General



PETROLEUM CORP.

1080, 700 - 4th Avenue S.W., Calgary, Alberta T2P 3J4 Telephone: (403) 266-6362

Fax: (403) 262-5294

INTERNET @http://www.mrktvision.com E-Mail ridgeway@mail.cypronel.com

NEWS RELEASE

Listed: VSE Symbol: RGW

Date: June 20, 1997

"ARIZONA PROJECT" CO₂/HELIUM

The Company reports that the ninth well in the ten well delineation drilling program has been successfully air drilled to a total depth of 2280 feet. Production casing has been set and cemented.

The tenth well, designed to test a separate structure the Zuni River Dome, has been drilled and abandoned as a dry hole.

The Company has commenced stimulation and production testing of the delineation wells. To date, three different zones in three different wells have undergone stimulation and testing.

The Amos Wash zone in the State 3-1 well averaged 2,300,000 MCFPD on a six day test through a 3/4" choke with 208 PSI flowing pressure. The production number is expected to increase once

all zones in the well are opened up. The State 22-1X well flowed at the rate of 2,900,000 MCFPD through a 3/4" choke with 266 PSI

flowing pressure during a two day test. The well is completed in the Amos Wash and the Fort Ápaçhe zones.

The State 9-21 well has been stimulated in the Granite Wash and tested over a six day period. Froduction increased from 572,000 MCFPD to 997,000 MCFPD through a 3/4" choke with flowing pressures increasing from 95 PSI to 100 PSI. This is the first production tested from the lowest zone in any of the wells. Four upper zones are still to be tested in this well.

Ridgeway Petroleum Corp. will continue to stimulate and test all zones in all of the delineation wells that have shown concentration of CO₂. Fracturing and testing is expected to be completed by the end of August 1997.

The company will follow the recommendations of George Scott, Jr., Geologist, to drill an

additional six delineation wells. Three of the recommended wells will be in Arizona with the remaining three on the New Mexico land currently under lease. This drilling is expected to begin in late July.

In other related news, Ridgeway Petroleum Corp. hosted the 1997 Annual Meeting of the Arizona Oil and Gas Commission on Friday, June 13th. The meeting attended by 138 interested parties, was held in St. Johns, Arizona. Participants included representatives from Shell, Mobil Oil, Williams Bros. USA Inc., and Koch Oil as well as representatives from local and state government in both Arizona and New Mexico and the Arizona Attorney General's office.

The meeting offered Ridgeway an opportunity to showcase the potential of the "Arizona Project" to the Oil and Gas industry. The Company's presentation included a number of speakers. Mr. Stephen Melzer, Consultant CO₂ flooding, and Director, Petroleum Industry Alliance at the University of Texas of the Permian Basin, Midland Texas, spoke about the need for additional University of Texas of the Permian Basin, Midland Texas, spoke about the need for additional CO₂ reserves, current sources of supply, major companies using CO₂ as well as increasing use by independent oil companies. He also described the impact the Ridgeway field may have on the California and Texas Oil Industry and the economy of Apache County.

The Ridgeway field was described as the third largest field in North America, with a possibility of being the second largest once all the exploration drilling is completed and the data analysed.

In the event that reserves are proven to be consistent with earlier estimates, Ridgeway has long term plans to produce in the range of 500 to 600 million cubic feet of CO₂ per day. Should the Company reach that goal, it would become the number two producer of CO₂ in North America second only to the McElmo Dome which sends 900 million cubic feet per day to the Permian Basin and ahead of the Bravo Dome in New Mexico which produces approximately 390 million Cubic feet per day. The Company expects to see the majority of its CO₂ production sold to interests in California.

For more information please contact Don Currie toll free at 1-888-990-3551.

ON REHALF OF THE BOARD OF DIRECTORS

Wales D Duele President

208,787-050

NO STOCK EXCHANGE HAS APPROVED OR DISAPPROVED THE INFORMATION CONTAINED HEREIN.

6-20-97. Kevon Smith calls

received pless release from RAOC about flow
tests in 11-21x, (3-1) and 9-21.

Asked if RAOC submitted anything to State.

= yes in 11-21x + 31 + no on 9-21.

= advise RAOC request Confidential on complity.

= Inform me that 9-21 rpt:

1 st production test from gravite wash
flow over 6 day period on 3/4" choke
flow inc fr. 572,000 metal to 997,000 metal?

pressure increase fr 95-100 #

4 upper zones to be tested

no mention of 9-22-29: - Stimulated + tested lower zure + fluwed Stimulation fluid





Fife Symington

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

June 18, 1997

file 884

Mr. Doug Rowan
Parker & Parsley Petroleum
PO Box 3178
Midland TX 79702

Dear Mr. Rowan:

The publicly available material we talked about this morning is enclosed. The information about pooling includes our rule R12-7-107 about spacing and statutes 27-505, 27-506, and 27-531 through 27-539 about pooling and unitization. An order form for a complete set of our rules is attached.

As I noted, I have no information on the 11 wells that Ridgeway Arizona Oil Corporation (RAOC) drilled this year. Operators are given 30 days following completion to file well information with this office. This information is then held confidential for at least 6 months. Some information about this years drilling, however, has been obtained and published by Petroleum Information/Dwights including a report in the 6/11/97 Rocky Mountain Region Report that the RAOC 15-28-29 State was D&A on 6/1/97.

Publicly available information enclosed about the RAOC wells drilled in 1994 and 1995 includes the completion report, application to drill, and gas analysis for the #3-1 State in 3-11n-29e; and the completion report and two gas analyses for the #1 Plateau Cattle in 15-12n-29e. Note that these wells were drilled as oil tests and that the N2 SE4 was dedicated to the 3-1 and that the N2 SW4 was dedicated to the 1 Plateau Cattle.

The general information enclosed includes a list and map showing the location of Ridgeway's wells, and a chart showing the general stratigraphy in southern Apache County.

Please advise if I may be of further assistance.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Stevent Rains

Enclosures

3-1 State (PIN 884)

6-6-97 Don Risss Calls,

Considered 3-1 test part of completion process.

Had never been fractured

Advise him that since completion upt filed in 1995 to just report recent flow test and fracture job in accordance with R12-7-117 on a Sundry Rpt form.

Advise him out 4 basic forms are mount to insure that
this basic, minimal information is be corded
consistently from well to well to well
(app to drill, completion opt, app to PAA, RA record)

Riggs advised me that the 3-1 well was the only one to flow naturally before that





Fife Symington Governor

State of Arizona

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

June 2, 1997

Mr. Don Riggs Vice President Ridgeway Arizona Oil Corp P.O. Box 1110 St. Johns, Arizona 85936

Re: Flow test and fracture treatment of 3-1 well, Permit 884

Dear Mr. Riggs:

I am writing about the flow test that you told me you performed on the 3-1 State well a couple of months ago and the hydraulic fracture treatment being performed when I inspected the well on May 29.

Rules require operators to keep this office informed of any re-entry activity on wells that have been shut-in for more than 60 days. Rules also require the operator to report the results of re-entry testing and stimulation to this office within 15 days of the test or stimulation.

The results of the flow test performed a couple of months ago are now past due in this office. The results of the hydraulic fracture treatment of May 29 are due within 15 days of the treatment. R12-7-117 requires "the operator to report the artificial stimulation of any well to the Commission in writing within 15 days of the stimulation showing the type of stimulation, the amounts and types of material used, and the pressures applied."

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Steven L. Lain

Oil and Gas Commissioners, Larry D. Fellows
 Walter B. Ruck

Ridgeway expands drilling to 12 wells



Photo by Art Harrington

Ridgeway Petroleum president Walter B. Ruck, (rt.) has announced the company will drill 12, instead of 10, delineation wells. Don Riggs, manager of Ridgeway Arizona, is also pictured.

ST. JOHNS - Walter B. Ruck, president of Ridgeway Petroleum, announced Thursday in St. Johns that the Calgary-based company's 10-well delineation drilling program has been expanded to 12 wells. The company's president and chairman of the board was in Arizona to meet with staff and to personally check on the progress being nade in defining the company's highly-successful CO2 discovery in southern Apache County.

"Every CO2 field has been discovered by accident," he said. "We initially came here searching for oil." The tip-off for Ridgeway had been the published results of the geothermal drilling done several years ago at Alpine, which had been funded by the United States Department of Energy. While Ruck still believes oil may be found in the area, the company's initial drilling discovered a vast reservoir of carbon dioxide gas instead. Ruck explained that it seems to be found where there has been contact between volcanic deposits and wet limestone. "The fields are typically very large when you find them," he said. "But you may drill hundreds of wells searching for the gas and never find it." So far the gas has been found in every well Ridgeway has drilled here.

California petroleum and food industries all need CO2 badly, Ruck explained, since no natural reservoirs of it have ever been discovered there. The demand is such that there appears to be substantial interest in constructing a pipeline which would likely carry the liquefied and pressurized gas from southern Apache County to Bakersfield, Cal. Ruck estimates it would cost

between \$200-250 million to build such a pipeline.

The Arizona Oil and Gas Commission has decided to hold its annual meeting on June 13 in St. Johns at Ridgeway's offices. According to Ruck, the meeting is kind of snowballing. At least four pipeline companies have notified him they plan to come, along with representatives of a number of major oil companies. Ruck expects some important decisions about the future of Ridgeway's project may be made at that time.

Ruck cautioned, "We're not a panacea for the area." He noted that the local unemployment rate will not be reduced much by the CO2 development, since most of the work is so specialized it requires bringing in highly-trained and experienced personnel. On the other hand, he admitted, he believes the development will ultimately be good for the area. It is already infusing money into the local economy. The company now has a large drilling rig and a service rig, or completion unit, in addition to all of the other well services which have come in to assist in the exploration. "It is also an environmentally clean industry, when compared to other oil and gas exploration," he said.

What about the helium content? According to Ruck, it has been significant, testing between .65 and .70 percent. By comparison, he said, most of the helium being commercially extracted tests at less that .30 percent. Consequently, the construction of a helium extraction plant is still a possibility, he said, "But it wouldbe expensive — probably \$35-40 million." Interestingly enough the United States produces 95 percent of the world's helium.

The president said the company will be going to faster air drilling for the remainder of the planned wells. He said the down side is that it is impossible to core or to get the quality of samples which can be obtained by mud drilling. "We did enough coring and drill-stem testing on the first wells, though, that we can stand the air drilling on the remaining wells," he said.

The wells drilled thus far have ranged from 1,800 to 3,150 feet. "As we go further north," Ruck said, "the wells may go down to 4,500." The required depth can vary as much as 450 feet, due to surface elevation differences. All of the wells are now being taken down to the granite.

Stock soars on drilling discoveries

Art Harrington The Observer

file 884

APACHE COUNTY -Southern Apache County is making international news with the discovery of its vast CO2 resources. Consequently the stock of developer Ridgeway Petroleum Corporation continues to climb.

Drilling by Aztec Well Service, contracted by Ridgeway, began on February 12 to prove up the carbon dioxide gas reserves which had been estimated at fourto-five trillion cubic feet. The huge rigs have lost no time in completing seven wells and are now working on the eighth.

According to information The Observer has been able to discover, the company has hit CO2 in each of the wells drilled. This would seemingly indicate widespread deposits, since drilling thus far has been reported in areas from north of St. Johns to just northeast of Springerville.

The discovery has not escaped the attention of the stock market. Ridgeway Petroleum stock (symbol RGW) has moved this year from a low of \$.92 per share to a high of \$7.35 (Canadian). On Friday it closed at \$5.55, having traded as high as \$5.75 that day.

On Monday trading of the stock on the Vancouver exchange was temporarily halted. It was resumed after the company announced a blowout on the #6 well had been contained. With that being an indicator of an even greater reservoir, the stock closed on Monday at \$6.00.

Ć,

Ridgeway was incorporated February 22, 1980 as Brent West Minerals. It continued doing business under that name until February 26, 1990, when it became Ridgeway Petroleum Corp. Its

Drilling in southern Apache County has revealed immense deposits of CO2. Ridgeway Petroleum, the developer, has realized spectacular increases in its stock since the news of the discoveries has reached investors. The rig pictured above costs over \$1 million dollars. It has a crew of eight which man it with 12-hour shifts, so the rig can keep drilling 24-hours a day.

home office is in Calgary, Alberta, dustries. Canada. The primary business of the company is the extraction of oil and gas, with a secondary interest in diamonds. As of May 2, 11,061,829 of its authorized 25,000,000 shares had been issued. The volume traded on that day was

Ridgeway President Walter Ruck also announced on May 2 that a 4,800,000 special warrant brokered private placement through Yorkton Securities had closed. Gross proceeds of \$16,800,000 were received, of which approximately \$10 million was being held in escrow, pending the advancement of the company's previously announced transaction involving Arizona Resources In-

resources? Without a doubt. The largest consumer of CO2 is the petroleum industry, which uses the gas to help force otherwise unretrievable oil deposits into collectable pools. The Permian Basin in west Texas and eastern New Mexico, for example, uses in excess of 1.4 billion cubic feet per day in its oil recovery operations. The hundreds of other uses for CO2 include a diversity ranging from food processing, carbonation of beverages and water purification, to flash freezing.

How would the product be moved? According to information The Observer has been able to glean, resources of two trillion cubic feet would justify the construc-

tion of a pipeline to oilfields in California or Texas. The company has apparently proven with is wells drilled thus far that more than adequate reserves exist to begin planning for a pipeline.

Our information also indicates that a number of major players in the industry are actively involved in bidding on the gas. Names such as Chevron and Cal Resources continue to surface.

Also previously reported has been the discovery of helium, along with the CO2. While the quantity of helium has yet to be determined, The Observer understands Ridgeway is also evaluating the possibility of building a helium extraction plant in southern Apache County.





Fife Symington Governor

State of Arizona Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701

(520) 770-3500



Larry D. Fellows
Director and State Geologist

March 25, 1997

Mr. Don Riggs Ridgeway Arizona Oil Corporation P.O. Box 1110 St. Johns, Arizona 85936

Dear Mr. Riggs:

A copy of the amended application to drill the 9-22-29 well showing the amended location and elevation is enclosed for your file.

I have also enclosed a copy of R12-7-121, Well Completion and Filing Requirements and a check list showing the current compliance status of your wells. Let me know if you disagree with anything on the list.

Sincerely, Stevent Rains

Steven L. Rauzi

Oil & Gas Program Administrator

Enclosures

RIDGEWAY ARIZONA OIL CORPORATION

C. 288222

Compliance status of wells as of 3/25/97

	Desmit	Drilling Summary	Completion Report	Samples	S	Core Analyses	DST Report	Gas Analyses	Well A	Application to P&A	P&A Record	Comments
stean Cattle	880	On file	On file	On file	On file	n/a	On file	On file	DUE			SI 8/94
A Plateau Cattle		On file	On file	n/a	n/a	n/a	ก/ล	n/a	DUE	DUE		TA 11/94, Noods P&A
22-1 State	885	On file	DUE	On file	On file	n/a	B/U	n/a	DUE	DUE		TA 8/95, Needs P&A
1.1 State	884	On file	On file	On file	On file	n/a	n/a	On file	DOLE			56/6 IS
22.1X State	8	PENDG	PENDG	PENDG	On file	PENDG	PENDG	PENDG	DUE	n/a		SI 2/97, WOCT
11-21 State	895	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		SI 3/97, WOCT
9-21 State	897	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		SI 3/97, WOCT
10-22 State	896	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	PENDG	DUE	n/a		DRLG 3/97

ARIZONA GEOLOGICAL 416 W. CONGRESS, SUITE 100, TUCSON, AZ 85701 SURVEY

FAX
State of Arizona
Arizona Geological Survey
416 W. Congress, Suine 100
Turson, Arizona 85701
(320) 770-3500



Date: 2-11-97

Number of pages including cover sheet:

8

To:	Davi	id +	Hishi	<i>f</i>
	ARLO	Dil 4	645	
Phon				·
Fax	phone: 9	15-69	7-42	13
CC:				

From: 5	teve Rauzi
Phone:	(520) 770-3500

REMARKS: Urgent For your review Reply ASAP Please comment

Completion +pt + gas analysis from Ridseway 3-1 State (884)

11 11 11 11 11 11 Plateur (attle 1 (880)

0

Rocky Mountain Region Report Section III

3-15-96

Page 25

The 1 Mr. Jones-State, se nw 32-7n-23e, Guadalupe County, originally was set up as a 15,000-fit test of Pennsylvanian horizons. Labrador took sidewall cores and drillstem tested two intervals, but released no details.

Labrador's venture was drilled nine miles southeast of a non-commercial Abo (Permian) gas discovery completed in 1982. Nearest established production is some 60 miles to the southeast, in Roosevelt County's Tule field, a Permian Basin pool that produces gas from Pennsylvanian and the Ordovician Montoya between 6800 and 7200 ft.

Davis Petroleum Corp plugged and abandoned a remote wildcat drilled in the northern portion of the non-producing Albuquerque-Belen Basin about 14 miles north of Albuquerque.

Davis' 1-Y Tamara, se se 3-13n-2e, Sandoval County, was set up as a 9100-ft test of Dakota and drilled to a depth of 8732 ft, with no other details disclosed. The venture is 36 miles southeast of the nearest production, at shallow Mesaverde wells on the southeastern flank of the San Juan Basin.

Arizona

Oil flowed at the rate of 117 bbls per day, with 693,000 cu ft of gas and 54 bbls of water daily, at a stepout from northeastern Arizona's Black Rock field completed by Harken Southwest Corp nine miles west and slightly south of Teec Nos Pos.

Harken tested the 20 Black Rock, se se 7-40n-29e, Apache County, through a 16/64-inch choke with a flowing tubing pressure of 280 psi. Production is commingled from perforations in Lower Ismay between 4680 and 4752 ft; Desert Creek between 4786 and 4818 ft; and Akah from 4927 to 5028 ft.

The 5432-ft well offsets to the north an abandoned Mississippian oil producer on the northwestern flank of Black Rock field and is three quarters of a mile east of the field's northwesternmost Paradox producer.

PREMCO Western in late November spudded an 8500-ft test to Precambrian on the western end of the Mogollon Plateau approximately 120 miles northwest of Flagstaff in northwestern Arizona.

The Mohave County venture, the 1-10 Mohave County in ne se 10-41n-11w, is about 24 miles southwest of the closest previous production, in Washington County, Utah's Virgin field, an inactive Timpoweap (Moenkopi) oil pool. The nearest current production is more than 100 miles to the northeast, in Utah's Upper Valley field, a Kaibab pool on the northern end of the Kaiparowits Basin. As the year ended, PREMCO had reached a depth of 1100 ft and was awaiting another rig to continue drilling.

Ridgeway Arizona Oil Co during the year began the process of delineating a carbon dioxide/helium accumulation discovered by the company in 1994 on the St. Johns Anticline near the town of St. Johns in eastern Arizona's Apache County.

The company, the U.S. operating subsidiary of Calgary-based Ridgeway Petroleum Corp, completed the 3-1 State 13-53-801, ne se 3-11n-29e, flowing 663,000 cu ft of gas per day from Fort Apache between 1536 and 1676 ft. Ridgeway said preliminary analysis of the gas—performed by the U.S. Bureau of Mines—indicated it is composed of 89 percent CO₂, 10 percent nitrogen, 0.7 percent helium and 0.1 percent each of methane and argon.

The 3-1 State 13-53-801 was drilled four miles south of Ridgeway's initial discovery in the area, which was completed in 1994 at the 1 Ridgeway/ Canstar-Plateau Cattle Co, se nw 15-12n-29e. The latter well produced CO₂, helium and nitrogen from Supai at 1410-79 and 1680-1720 ft.

Ridgeway estimated reserves in the field at 260 billion cu ft of CO₂ and two billion cu ft of helium.

The area is approximately 55 miles south of the Pinta Dome-Navajo Springs area, which has produced nonflammable, helium-bearing gas.

Carbon dioxide from the wells is to be utilized for

file 884

Page 26

growing hydroponic greenhouse vegetables in industrial parks now under development by the company's Ridgeway Industries Inc affiliate.

Wyoming

Highlighting activity in Wyoming during 1995 was the continuation of a subthrust Cretaceous play touched off by Barrett Resources Corp the previous year in the Owl Creek Thrust area of the eastern Wind River Basin.

Barrett gauged a sustained flow rate of 20.3 million cu ft of gas per day at a Fort Union producer drilled six miles north of Waltman. The 8 Cave Gulch Unit, sw nw 32-37n-86w, Natrona County, is producing from 130 ft of perforations between 4604 and 4872 ft.

The 7326-ft well was directionally drilled westward to a bottom-hole location in se ne 31-37n-86w. At its bottom-hole location, it offsets to the south Barrett's initial subthrust Lance discovery on the Owl Creek Thrust, the 1 Cave Gulch-Federal in ne ne 31-37n-86w. That well encountered 481 net ft of pay in a 2200-ft section of Lance/Fort Union. In about seven months on line, it produced nearly 2.3 billion cu ft of gas and 22,000 bbls of condensate from perforations in 246 ft of pay between 5742 and 6811 ft.

Barrett during the year disclosed plans to drill 14 new Lance/Fort Union development tests on the Owl Creek Thrust during 1995 and 1996. As operator, the Denver-based independent owns a 94 percent working interest in the Cave Gulch Unit, with Prima Energy Corp holding the remaining six percent.

In March, Barrett completed two stepouts from the discovery including a north offset at the 9 Cave Gulch Unit-Federal in se se 30-37n-86w that flowed 6,148,000 cu ft of gas and 39 bbls of condensate daily from four intervals of Lance and Fort Union between 5997 and 7740 ft. The company's 4 Cave Gulch Unit-Federal, sw sw 29-37n-86w, produced an average of 1,144,800 cu ft of gas with eight bbls of condensate and 36 bbls of water from an unreported

horizon during its first four days on line.

A fourth offset completed by Barrett during the year at the 3 Cave Gulch Unit, sw nw 32-37n-86w, initially flowed 5,000,000 cu ft of gas and 40 bbls of

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condensate per day through perforations between 8537 and 8830 ft.

Elsewhere in the Cave Gulch/Waltman field area, gas flowed at the rate of 2,223,000 cu ft per day, with three bbls of water daily, at a shallower pool discovery completed by Chevron USA Production Co two miles north of Waltman. The Natrona County workover,



RIDGEWAY PETROLEUM CORP.

1080, 700 - 4th AVENUE S.W., CALGARY, ALBERTA T2P 3J4 TELEPHONE: (403) 266-6362 FAX: (403) 262-5294

February 21, 1996

Arizona Geological Survey 416 W. Congress, Suite 100 TUCSON, Arizona 85701

Attention: Steven L. Rauzi,

Oil & Gas Program Administrator

Dear Sir:

In response to your letter of February 15, 1996 please find enclosed the following:

1. Gas Analysis 3-1 well Permit 884

2. Mud Logs 3-1 well Permit 884 / Permit 885

3. D.L., S.D.D.S.N., L.S.S. Logs 3-1 well Permit 884

Also enclosed are cross sections by Allan Emmendorfer I thought you might like to have.

Hope to see you soon.

Personal regards,

RIDGEWAY ARIZONA OIL CORP.

Walter B. Ruck, President

encl.

/m

P.S. Gas test on 3-1 was by choke size only. Will test with separator in near future.

U.S.A. CALL TOLL FREE: 1-800-347-0294





Fife Symington Governor

Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows
Director and State Geologist

February 15, 1996

Mr. Alan P. Emmendorfer, Agent Ridgeway Arizona Oil Corporation 5107 Budding Lane Farmington, New Mexico 87402

Dear Mr. Emmendorfer:

This letter will serve as approval of your written request for a six-month extension to State Permits 888, 890, 891, 892, and 893. The new expiration dates will be August 25, 1996, for Permit 888 and October 17, 1996, for Permits 890, 891, 892, and 893.

Outstanding concerns on Ridgeway Arizona Oil Corporation's operations near St. Johns include

- 1. Plugging State 22-1 (Permit 885) from 218 feet to surface with cement;
- 2. Cementing open annulus on Plateau Cattle 1A (Permit 883);
- Filing of washed and dried samples for State 3-1 (Permit 884);
 Filing of Mud, SDL/DSN, and LSA logs on State 3-1 (Permit 884); and
- 4. Filing of Test Report and Gas Analysis on State 3-1 (Permit 884).

Washed and dried samples, and copies of all test reports, gas analyses, and all logs run are required pursuant to A.A.C. R12-7-121, a copy of which is enclosed for your information and file.

Please advise if I may be of further assistance.

Sincerely,

Steven L. Rauzi * Oil & Gas Program Administrator

Steven L. King

Enclosure

c Walter B. Ruck

£



- Major markets for CO₂ are the Permian Basin in Texas and the light oil fields of California, where gas is injected into producing oil fields to recover additional oil reserves
- Helium will be recovered from the gas production and sold into an expanding international market
- A steady and growing market for CO₂ is the flashfrozen foods and carbonaled beverage industry
- A market for CO₂ is being created with industrial Agri-Parks offering tenants lower priced CO₂ saving the cost to liquefy and transport the gas

CORPORATE INFORMATION

Head Office: 1080,700-4th Avenue S.W. Calgary, Alberta T2P 3J4-

Tel: (403) 266-6362 Fax: (403) 262-5294 US Toll Free: (800) 347-0294

Stock Symbol: RGW

Stock Exchange: Vancouver

Recent Price: CS.90 - C\$1.10

Investor Relations Contact: Don Currie (604) 983-2515

RIDGEWAY PETROLEUM CORP.

AND ITS MAJORITY-OWNED SUBSIDIARY ARIZONA RESOURCES INDUSTRIES, INC. New reserve estimate opens large markets for CO₂

COMPANY OVERVIEW

Ridgeway Petroleum Corp. is a Calgary-based company with holdings in Arizona, Texas, California, Alberta, British Columbia, Saskatchewan and Ontario. Ridgeway Petroleum is the majority owner of Arizona Resources Industries, Inc.

Ridgeway, through Arizona Resources Industries. Inc. has under current ownership more than 291 square miles (186,000 acres) of land in Eastern Arizona containing significant commercial inert gas reserves. The Company's holdings are believed to contain one of the largest, high quality CO₂ and helium gas reserves in North America with possibilities in excess of 6.0 trillion cubic feet and a multibillion dollar market potential.

Arizona Resources Industries, Inc.'s gas discovery and strategic location will allow the company to pursue three distinct and lucrative business opportunities.

The Company has received preliminary commitments from major companies to purchase and participate in each of the following business sectors.

PETROLEUM INDUSTRY

The largest bulk user of CO, gas is the petroleum industry, where CO, is used for "Enhanced Oil Recovery" (EOR). CO, gas is injected into producing oil zones to vastly reduce oil viscosity and increase movement of "in-place-oil," resulting in substantial increases in the percentage of recoverable oil from these producing zones.

Petroleum industry demand for CO₂ gas for this purpose continues to increase, while available reserves are declining. Petroleum companies are aggressively seeking additional sources for CO₂ supply. Ridgeway has already received a letter of interest from one major oil company that could yield in the range of \$100,000 per day in gross revenue in bulk CO₂ gas alone.

LIQUEFIED GAS INDUSTRY

The quality and quantity of Ridgeway's CO₂ and helium gas reserves offer significant commercial and industrial business opportunities. The Company's food quality CO₂ can be used readily in the food growing and beverage industry. Also CO₂ gas is used extensively in the food processing industry.

NEWS RELEASE

RIDGEWAY PETROLEUM CORP. - "ARIZONA PROJECT"

Ridgeway Petroleum Corp. (RGW) has been informed that Arizona Resources Industries. Inc. (ARI), its majority owned American subsidiary, has signed, together with Everen—Securities Inc. (ESI), a retention agreement whereby Everen has agreed to act as the Company's exclusive adviser and agent in respect to the financing of the exploration and development of the "Arizona Project."

The project involves the exploitation of a CO/helium discovery made by Ridgeway Petroleum Corp. in 1994, located in Apache County. Arizona adjoining the New Mexico state line.

Everen Securities Inc. is based in Chicago, Illinois and is a member of the New York Stock Exchange and other principal exchanges.

Blue rig of L & B Speed Drill, Farmington, N.M., drilled the 1 Alpine Federal, a helium/carbon dioxide discovery near Arizona's Chalk Bunes.

The location of the Company's operation will allow it to effectively compete for considerable market share in the dynamic markets of Southern California and Las Vegas, Nevada, as well as Arizona, New Mexico, Colorado and Texas.

HELIUM

Helium content in the Arizona gas reserves is more than twice that of the average well content. The helium gas reserves, coupled with expanding helium gas utilization and resulting increases in demand, offer sizable national and international sales and profit potential.

Helium is a specialized inert gas which is exceedingly light. Historically, it is noted for its lifting capabilities with the very appreciable benefit of being non-flammable. Those same qualities are applied today for other specialized and high-tech uses as cryogenics, welding, pressurizing and purging, controlled atmospheres and leak detection.

AGRI-PARK DEVELOPMENT

"Controlled Environment Agriculture" (CEA) utilizes CO₂ gas in commercial greenhouse environments. Ridgeway Industries Inc. was created to develop the parks, attract the tenants and market the CO₂. The Company's strategic location, between two (2) major power generating stations, offers tremendous cost advantages in access to cost efficient steam, water, power and property.

The company has conducted extensive engineering studies and plans to develop the Agri-Park in 25 and 50 acre parcels, with participation from major industry growers in the hydroponic and floriculture industry. The Company plans to lease sites and sell CO₂ gas, water and steam to tenants as well as participate on a production override basis.

LABORATORY RESULTS INDICATE HIGH QUALITY CO.

Gas analysis from the U.S. Bureau of Mines and Laboratory in Amarillo. Texas indicates the following properties:

10% Nitrogen

89% CO,

.7% Helium

.1% Methane

.1% Argon 99.9%

Lack of any identification of the presence of H₂S tends to confirm the food quality of the CO₂.



COMPANY HISTORY

Ridgeway Petroleum Corp. was founded in 1980 and currently has holdings in Arizona, Texas. British Columbia, Alberta, Saskatchewan and Ontario. Walter B. Ruck, a 35-year oil patch veteran, has been President and Chief Executive Officer since 1986.

In 1995. Ridgeway became majority owner of Arizona Resources Industries. Inc. by selling to ARI its two wholly-owned subsidiaries, Ridgeway Arizona Oil Corp and Ridgeway Industries. Inc., for guaranteed notes and shares.

Mr. Ruck is Director and Chairman of the Board of ARI and Director of Ridgeway Arizona Oil Corp. and Ridgeway Industries. Inc.

Other ARI directors are Michael Skellern, President and Chief Operating Officer: Robert Gove, Chief Financial Officer: James C. Pietsch: H.J. Platt; and Danny Ainge.

NEWS RELEASE

LAND POSITION INCREASED TO COVER POTENTIAL 6.4 TRILLION CUBIC FEET OF CO,/HELIUM GAS RESERVE

Calgary, Alberta - Arizona Resources Industries. Inc. has massively expanded its lease holdings in Apache County, Arizona. The 144,000 acre expansion, announced by Ridgeway Petroleum Corp., majority owner of ARI, brings total holdings in the area to 186,000 acres.

New geological information, interpretation and consultation with the Arizona Geological Survey has strengthened the Company's confidence that the field contains one of the largest high-quality CO₂ and helium reserves in North America. The current objective is to further increase the holdings to more than 250,000 acres.

23403 262 5294 01/24/96

RIDGEWAY PETRO

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RIDGEWAY PETROLEUM CORP.

1080, 700 - 4th AVENUE S.W., CALGARY, ALBERTA T2P 3J4 FAX: (403) 262-5294 TELEPHONE: (403) 266-6362

STEVE

Symbol: RGW Listed: VSE January 23, 1996

"ARIZONA PROJECT"

"Land position increased to cover potential 6.4 trillion cubic feet of CO2/Hellum gas reserve"

Ridgeway Petroleum Corp. (RGW) has been advised by Arizona Resources Industries, Inc. (ARI) (the owner and operator of the project) that as a result of new geological information, interpretation and consultation with the Arizona Geological Survey, leases have been obtained on an additional 144,000 acres bringing the total under lease to 186,000 acres.

The current leasing program is to acquire up to a total of 250,000 acres and should be completed within 15 days.

RGW controls in excess of 50% of ARI by share ownership and Guaranteed Convertible Notes.

ON BEHALF OF THE BOARD

Walter B. Ruck, Chairman

THE VANCOUVER STOCK EXCHANGE HAS NEITHER APPROVED NOR DISAPPROVED THE INFORMATION CONTAINED HEREIN.





Fife Symington Governor

State of Arizona Arizona Geological Survey 416 W. Congress, Suite 100

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows
Director and State Geologist

December 1, 1995

Ms. Elizabeth Coffman Dwight's EnergyData, Inc. 4350 Will Rogers Parkway, Suite 101 Oklahoma City, OK 73108

Dear Elizabeth:

The information you requested from our files 9-3, 13-1, 6, 14, 156, 372, 883, and 884 is enclosed. The Ridgeway wells (883 and 884) are still in confidential status. I can say, however, that the 3-1 (884) was drilled about 4 miles south of the Ridgeway/Canstar #1 Plateau Cattle ((880) which was also reported as a CO₂ discovery. Ridgeway has not yet proposed a name for this apparent CO₂ field.

As I have noted before, information in some of the earlier well files is sometimes quite meager.

Let me know if I may be of further assistance.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Steven L. Rais

Enclosures

Tate: 10/19/95 RESEARCH REQ	UEST	179	<i>133</i>	·
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Rocky Mountain Region Report Section I

10-23-95

Page 2

Aneth Field Horizontal Well Producing from Four Laterals

TEXACO EXPLORATION & Production Inchas completed a horizontal redrill in southeastern Utah's Aneth field 16 miles east of Bluff producing from four open-hole laterals in Desert Creek.

The F-114 Aneth Unit, ne nw 14-40s-24e, southeastern San Juan County, was completed on pump producing 340 bbls of 42° oil with 192,000 cu ft of gas and 892 bbls of water per day. Two laterals were drilled northwestward to bottomhole locations in nwnw of the section. The upper Desert Creek leg is producing from 5604-6597 ft, at a true vertical depth of 5698 ft. Production from the lower lateral is from 5649 to 6660 ft. True vertical depth of the latter borehole is 5767 ft.

The other two horizontal legs were drilled in southeasterly directions to bottom-hole locations in sw ne 14-40s-24e. The upper Desert Creek lateral is producing from 5594 7342 ft (true vertical depth: 5686 ft); the lower lateral is producing from 5790-7009 ft (true vertical depth: 5747 ft).

Superior Oil Co originally completed the well (as the A-8 Navajo) in 1957 producing from Desert Creek at 5678-5811 ft. In 1969, Texaco recompleted the well as an Ismay producer at 5596-5606 ft. Texaco in 1983 worked the well over again, perforating two lower Desert Creek intervals at 5773-90 and 5793-5800 ft. Log tops, measured from a kelly bushing elevation of 4872 ft, include Ismay at 5526 ft and Desert Creek at 5675 ft.

Ridgeway Schedules Delineation Work file **Near Arizona CO₂ Discovery**

D IDGEWAY ARIZONA Oil Co has scheduled four stepouts from a carbon dioxide Adiscovery completed by the company earlier this year about 10 miles southeast of St. Johns in eastern Arizona.

The eastern Apache County ventures are designed to evaluate the Fort Apache limestone member of the Permo-Pennsylvanian Supai (Yeso/Abo equivalent) and are projected to depths ranging from 2465 to 2680 ft. They are:

☐ 2-1 Ridgeway-State, se nw 2-11n-29e;

☐ 10-1 Ridgeway-State, sw ne 10-11n-29e;

☐ 11-1 Ridgeway-State, se nw 11-11n-29e;

35-1 Ridgeway-State, ne sw 35-12n-29c.

The new locations all are within a mile of an undesignated discovery completed by Ridgeway last month on the crest of the St. Johns Anticline at the 3-1 State 13-53-801, ne se 3-11n-29e. That well flowed 663,000 cu ft of gas per day on a 32/64-inch choke through 88 perforated ft in Fort Apache between 1536 and 1676 ft (PI 9-15-95). Ridgeway said preliminary analysis of the gas performed by the U.S. Bureau of Mines in Amarillo, Texas—indicates it is composed of 89 percent CO₂, 10 percent nitrogen, 0.7 percent helium and 0.1 percent each of methane and argon.

The 3-1 State 13-53-801 discovery is four miles south of Ridgeway's initial discovery in the area, which was completed last year at the 1 Ridgeway/Canstar-Plateau Cattle Co, se nw 15-12n-29e. The latter well produced CO2, helium and nitrogen from Supai at 1410-79 and 1680-1720 ft.

Carbon dioxide from the wells is to be utilized for growing hydroponic greenhouse vegetables in industrial parks now under development by Ridgeway Industries Inc. Both Ridgeway Industries and Ridgeway Arizona Oil are subsidiaries of Calgary-based Ridgeway Petroleum Corp.

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Fife Symington Governor

State of Arizona Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

October 17, 1995

Alan Emmendorfer, Geologist & Agent, Ridgeway Arizona Oil Co. Memo:

Steve Rauzi, Oil & Gas Program Administrator From:

Ridgeway wells 22-1X State, 22-1 State, 1A Plateau Cattle, and Subject:

file 884 3-1 State

An approved Sundry report and revised application for permit to drill the 22-1X State well in a location 25 feet from the location on the original application are enclosed.

What is the status on the plugging of the 22-1 State and topping off the open annulus on the 1A Plateau Cattle? My understanding was that the 22-1 State and the annulus on the 1A Plateau Cattle were to be filled with concrete when the 1 Plateau Cattle was squeezed. I received a Sundry Notice reporting the squeeze of the 1 Plateau Cattle, but received nothing to date on the 22-1 State or 1A Plateau Cattle.

I received the completion report and Dual Laterolog for the 3-1 State. I have not received the Mud log, Spectral Density Dual Spaced Neutron log, LSA log, or the washed and dried samples for the 3-1 well. A copy of samples, test reports, and all logs run are required pursuant to A.A.C. R12-7-121.

EXPLORATION

forations at 10,892-914 ft.
Working interests are
Roundtree 20% and Box 52%.
The first two offsets are to

The first two offsets are to be in 1-11n-5w and 36-12n-5w.

ARIZONA

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Premco Western, Garland, Tex., staked a remote wildcat in far northwestern Arizona on the Mogollon plateau.

The 1-10 Mohave County, in 10-41n-11w, Mohave County, is projected to 8,500 ft. It is 24 miles southwest of idle Virgin oil field in Washington County, Utah, PI reported.

A subsidiary of Ridgeway Petroleum Corp. plans to step up delineation of a carbon dioxide deposit in eastern Arizona.

Ridgeway Arizona Oil Co. completed a second well on the St. Johns anticline in Apache County. The 3-1 State, in 3-11n-29e, flowed 663 Mcfd of gas through a ¼ in. choke with 90 psi FTP from the Fort Apache member of Permo-Pennsylvanian Supai at 1,536-1,676 ft. Gas analysis indicated 89% CO₂ and 10% nitrogen.

The well is 4 miles south of the company discovery, the Ridgeway/Canstar 1 Plateau Cattle Co., completed in 1994 (see map, OGJ, Sept. 5, 1994, p. 42).

Ridgeway plans to drill five more wells in the area starting in October 1995, Petroleum Information reported. The CO₂ is to be used to grow hydroponic greenhouse vegetables.

ARKANSAS

Amoco Production Co. gauged a southern Arkoma basin gas well in Mansfield field

The 2 Harp Unit, in 4-4n-30w, Scott County, flowed gas at the rate of 4.1 MMcfd in 11 hr through a 1% in choke with 415 psi flowing casing pressure from Lower Atoka Hartford sand at 5,910-30 ft.

KENTUCKY

Eastern Kentucky's Elliott County may have another Rome trough gas discovery.

Blue Ridge Group Inc., Bowling Green, Ky., and Preston Oil Co., Houston, set production casing at TD 9,047 ft at the 1 Greene, in 10-T-79, 27 miles southwest of Ashland, PI reported. It was projected to 8,700 ft in Middle Cambrian Rome.

Carson Associates, Ashland, last year completed the 1 Kazee Heirs, in 14-5-78, 20 miles northwest of Paintsville, after it flowed 11 MMcfd of gas from Cambrian Rome (OGJ, Oct. 3, 1994, p. 72).

LOUISIANA

Texas Meridian Resources Corp., Houston, plans to start a well by mid-October near a recent completion in Southwest Lake Boeuf field in Lafourche Parish.

The 2 Pacific Enterprises, in 50-15s-18e, flowed at the rate of 2,745 b/d of oil and 6.828 MMcfd of gas through an ¼ in. choke from an undisclosed formation. It is to be placed on production at the full depth allowable of 1,500 b/d of oil and 2.9 MMcfd of gas.

The 3 Pacific Enterprises, in 36-15s-18e, is projected to 17,500 ft to Rob A, B, and C and Plater sands in a fault block adjacent to current production, said Optima Petroleum Corp., Calgary, which holds an 8% working inter-

Unocal Corp. is to boost production from Fresh Water Bayou field in Vermilion Parish to 200 MMcfd of gas and 1,800 b/d of condensate with start-up this month of the C-18 and C-20 Louisiana Furs wells.

The field's mid-September production was 140 MMcfd and 1,250 b/d.

The two development

wells were drilled simultaneously based on 3D seismic data and follow three previously successful wells, including the 1994 discovery.

The C-18 well went to 20,185 ft and tested the entire Lower Discorbis Bolivarensis sands. It cut 241 ft of commercial gas pay in the same deep field sands producing in the C-16, C-17, and C-19 wells. It flowed 30.9 MMcfd of gas with 374 b/d of condensate through a % in choke with 10,190 psi FTP.

MISSISSIPPI

Amerada Hess Corp. opened Midway Dome field in Lamar County.

The 1 Allar Co., in 34-4n-15w, flowed 3.462 MMcfd of gas with 72 b/d of 47° gravity condensate through a 1% in. choke with 5,503 psi FTP from Cretaceous Hosston perforations at 15,770-798 ft and 15,808-828 ft.

It is 1½ miles northeast of Tatums Camp gas field. Earlier company exploration led to gas-condensate discoveries on the flanks of Dry Creek salt dome in Covington County and Carson salt dome in Jefferson Davis County, reports Southeastern Oil Review, Jackson.

MONTANA

A group led by Panterra Petroleum, Billings, Mont., cut multiple indicated pay zones at an exploratory test % mile southwest of North Bainville field in Roosevelt County with 3D seismic involvement.

The 4-15 Granley-State, in 15-28n-58e, flowed 386 bbl of oil in 23 hr on a 1% in. choke with 530 psi FTP from perforations at 12,290-303 ft and 12,310-320 ft in the C laminated section of Ordovician Red River.

Drillstem tests had strong oil recoveries from Devonian Winnipegosis, Nisku, Duperow, and Ratcliffe. A twin well is being evaluated to exploit the shallower productive zones.

The group's 2-10 Bob Crusch, drilled last year in 10-28n-58e in the field, is producing 232 b/d of oil from Red River., and a twin well is being completed in Nisku.

St. Mary Land & Exploration Co., Denver, holds 75% working interest in the 4-15 well and two offset locations, and Nance Petroleum Corp., Billings, has 25%.

TEXAS

West

Ray E. Bradshaw, Tyler, is drilling a remote wildcat that could set an Edwards County

drilling depth record.

The 1 Essman-Herrold Ranch, 5 miles north of Carta Valley, was spud in late August toward 17,000 ft. The county depth record is 14,321 ft, PI reported.

UTAH

Texaco Exploration & Production Inc. staked a Uinta basin coalbed methane wildcat in Emery County.

The 27-9 Jensen, in 27-21s-6e, 6 miles southwest of Ferron gas field, is projected to 2,100 ft, PI reported.

WYOMING

Exploration may return to the far northwestern portion of Fremont County.

Equitable Resources Energy Co.'s Balcron Oil Division, Billings, plans to drill the 1 Lava Mountain Unit, in 36-43n-110w, 20 miles northwest of Dubois.

Main objective is Mississippian Madison at 15,000 ft measured depth, 13,900 ft true vertical depth.

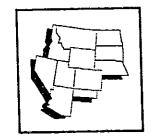
Conoco Inc. was to have drilled this location, 14 miles east of Exxon Co., U.S.A.'s shut-in 1981 Sohare field discovery well in Teton County, in 1992 but could not secure partners, reports Rocky Mountain Oil Journal, Denver

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ROCKY MOUNTAIN

REGION REPORT



NEWSLETTER EDITION

Vol. 68, No. 178 9-15-95

jile 884

Remote Exploration Slated for Southwestern Montana Folded Belt

ENVER-BASED BASIN Exploration Inchas applied with the Montana Board of Oil and Gas Conservation for a permit to drill a remote wildcat in the Folded Belt region of southwestern Montana approximately seven miles northwest

If approved, the southern Beaverhead County venture would be drilled in se sw 3-13s-9w, approximately 150 miles generally west of the nearest production, at fields on the western flank of the Big Horn Basin. Objectives of the proposed 5100-ft wildcat were not disclosed.

The site is 16 miles north of the Idaho border in the northwest-southeast trending Red Rock Valley (a.k.a. Red Rock Basin) bounded by the Red Rock Hills on the east and the Red Rock and Tendoy faults on the west. The closest previous drilling is nearly eight miles to the northwest at a 16,000-ft dry hole completed by Amoco Production Co in 1985 in the Red Rock Valley.

Log tops at Amoco's 1 McKnight Canyon, se sw 21-12s-10w, include the Lower Cretaceous Kootenai at 5387 ft, Morrison 5646, Swift 5782, Beaverhead (Paleocene) 5810 (and a repeated section at 9282 ft), Phosphoria 8512 and Mission Canyon at 14,428 ft. Kelly bushing elevation is 6935 ft. No cores or drillstem tests were reported in Beaverhead or Cretaceous horizons. The Beaverhead formation, comprised of conglomerates, sandstones and limestones, commonly occurs at the surface in the vicinity of Basin's proposed wildcat.

stern Arizona CO2 Discovery Producing from Fort Apache

idgeway Arizona Oil Co tested a carbon dioxide/helium well drilled on the crest of the St. Johns Anticline about 10 miles southeast of St. Johns in eastern Apache County, Arizona, flowing at

the rate of 663,000 cu ft per day. The 3-1 State 13-53-801, nese 3-

11n-29e, was tested on a 32/64-inch choke through 88 perforated ft in the

(Please see Arizona, Page 12)

NEWSLETTER DAILY ACTIVITY REPORT

SECTION I SECTION II



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Rocky Mountain Region Report Section I

9-15-95

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(Arizona, continued from Page 1)

Fort Apache limestone member of the Permo-Pennsylvanian Supai (Yeso/Abo equivalent) between 1536 and 1676 ft. Flowing tubing pressure was 90 psi. Total depth is 1813 ft (PI 9-13-95).

Ridgeway said preliminary analysis of the gas—performed by the U.S. Bureau of Mines in Amarillo, Texas—indicates it is composed of 89 percent CO2; 10 percent nitrogen; 0.7 percent helium; and 0.1 percent each of methane and argon.

The well is four miles south of the company's initial discovery in the

area, which was completed last year at the 1 Ridgeway/Canstar-Plateau Cattle Co, se nw 15-12n-29e. The latter well produced CO₂, helium and nitrogen from Supai at 1410-79 and 1680-1720 ft.

Ridgeway said it intends to drill five additional wells in the area beginning next month. The company currently has location staked for a 2300-ft Fort Apache test at the 22-1X State, se nw 22-12n-29e, less than a mile south of the 1 Ridgeway/Canstar-Plateau Cattle Co discovery. It's a replacement for the company's 22-1

State in nw nw 22-12n-29e, which was junked and abandoned last month at a depth of 218 ft. Ridgeway has a leasehold of more than 40,000 acres on three surface anticlines in the region.

Plans call for CO2 from the wells to be utilized for growing hydroponic greenhouse vegetables in industrial parks now under development by Ridgeway Industries Inc. Ridgeway Industries and Ridgeway Arizona Oil both are subsidiaries of Calgary-based Ridgeway Petroleum Corp.

9-15-95

Minigat Cllogram

OTUSA NESTEN STWINS: (coat) SIMIL OF ARIZONA APACHE COUNTY

Aligavay Arizona Oil Corp "State" 22-15 MAP: NA 13-12N-29E,Fr NV cor 1383'S 1723'E 02-001-20301 (State Lease #13-53-729) elev:6393'GR (Wayne Smith Drlg Co) 2300'-est.td Permit #888 approved.

"Ridgeway Arizona Cil Corp "State" 3-1 MN7:AZ 3-11N-29E,Fr HE cor 3566'S 514'W 02-001-20299 9-5/2c.133 7c.764 4-1/2c.1805 elev:6726 GR (EXT) State lease 13-53-801 Int:1536-1676 status: G\S S-08/21/95(Wayne Smith Drlg Co) 2500'-est.td 1013 Ran 4-1/2" csg to 1805". Perfd 1536-1676' in Fort Apache member of Permian Supai Formation on St Johns Anticline. Flwd 663 MCF/D, 1/2" choke, SOUTH, 300HSTP, 10% Mitrogen, 89% CO2, .7% Helium, .1% Wethane, .1% Argon. Plan to drill 5 mare wells. 🔧

"Arzon Corp. "2rzon State" 1 02-003-20009 MAP: AZ 27-138-3(E,Fr NW cor 660'S 660'E elev:3600'GR 9-5/8c.530: S-07/15/95(Norton Drlg Co) (NEW) State Lease #13-100203 9900'-est.td ???? Drid, "no dope" hole, Ran csg to an . undisclosed depth. Temporarily abundoned. Plan to re-enter in a couple of months.

STATE OF NEVADA CHURCHILL COUNTY

Oxbow Geothermal Corp. "7" 73-78- 27-001-90241 7-24N-37E,SE-1/4 NE-1/4 MAP:NV 10,000'-est.td 20c.690 S-09/05/95(VECO Drlg Co #10) 3000 Drilling 17-1/2" hole.

ELPEKA COUNTY Trail Mountain, Inc. "Three Bar Unit" 6 MAP:NV 25-234-51E; Fr HE cor 2075'S 800'W . Federal lease N-46990

ibtice of staking.

start 10/1/95.

53

YINTCOM COUNTY TAL VALLEY *Tide Peiroleum Co LP "Baseline Canyon Federal" 2 21-1N-59E,Fr S7 cor 805'N 1200'E 27-017-05219 Federal Lease N-41649 MAP:NV elev: 4943 GR (True Drlg #16) 10,000'-est.td (NEW) Contract assigned. Waiting on permits. Hope to

CERTANI *lakoil, Inc. "Currant" 1 27-023-05265-01 MAP:NV 26-10N-57E, Fr SN cor 653'N 1983'E elev: 4892'CR 9-5/8c.421 7N.6700 5-1/2c.6950 Rsm 05/28/95 (NEW) Originally comp 2/20/79 by Northwest Expl for 4 B/D cil, 15 gravity, 0.1% cut from int 7038-7050'. Perf'd 6856-6994' and tested 4/12/79 for 10-12 B/D oil, 15gravity. 1200 R07115 Plan to tost for two more weeks.

tiriki sa kacama

Directional PULLE SPRINGS Eagle Springs Frod "Eagle Springs/Plains Pet" 23-35 36-9:1-57E,Fr NW cor 1700'S 1300'E 27-023-05514

MAP:NV elev:4779'CR 7500'-est.td

SEADER 15, 1965 ES. 3

MAE COMMEN (own) TAMP SPRINGS ** Prof. Martoin, Inc. "Blackjack Folleral" 1. Milliny 34-FM-50E, Fr № cor 2500'S 1990'W(Surface) 34-5%-56E, Fr SE cor 2310'N 1980'W(est BLL) Federal lease N-5349 5000'-est.td (EXT) Notice of staling.

TRAD SERINGS-WEST *Jim C. Long "Federal" 1 MAP:NV 11-9N-55E, NE-1/4 NE-1/4 4750'-est.td (NFW) ili katalon kantan kantan katalon kantan
WHITE PIVER VALLEY *Recry L brown "Thite River Valley Brown" 1 MAP:NV 20-8%-61E, Fr NM cor 2250'S 2090'W (NEW) Federal lease N-41571 Notice of staking.

PERSHING COUNTY *Evans-Sarton, Ltd "Kyle Spring" 12-120 MAP:NV 12-25%-36E,Fr SN cor 1615'N 35'Z 27-027-05004 4-1/20.1000 elev:4452'GR 3-07/27/95 1000'-est.td Federal lease N-58388 (NFW) 1000 Waiting on production equipment.

WHITE PINE COUNT. VALLEY YOUR RETURN *Foreland Corc. "Eldorado Federal" 15-1 MAP:NV 15-15N-54E,Fr SE cor 680'H 1760'W 27-033-05301 Fedoral lease N-49128 elev:6053'GR 4500'-est.td Location. (NEW)

*Pigrar Oil & Gas "Grubstake Unit Federal" 14-14 14-25N-57E, Fr St our 263'N 619'E 27-033-05300 Federal lease N-54166 MAP:NV elev:6726'GR S-08/14/95(Cardinal Dalg Co #40) 8000'-est.td 277? Drilling, no datails. (NEW)

NEWARK VALLEY "Markillon Oil Co. "Federal" 1-18 MAP:NV 18-19X-58E, Fr NE cor 600'S 2030'W (NEW) Pederal Lease #N-51343 Notice of staking.

YALLEY ZUTERS *Williford Stargy "Steptoe Valley Federal" 1 24-15N-63R, Fr SE cor 1425'N 330'W MAP:NV (NFW) Federal lease N-49408 Notice of staking.

STRIE OF OREGUE DESCRITES COUNTY CE Exploration "15" 76-15TCH 36-017-90036 MAP:CR 15-213-122,5E-1/4 elev:6780'GR 8000'-est.td S-07/24/95(Longyear Drlg) ???? Drilling, "tight hole".

CE Exploration "21" 86-21 36-017-90040 MAF: OR 21-215-12E,Fr SE cor 1000'N 200'W elev:6290'KB Lease FOR 45505 9000'-est.td Directional S-7am-08/28/95(Nabors Drlg USA #58) ???? Drilling, "tight hole".

STATE OF WASHINGTON

Rocky Mountain Region Report Section I

9-13-95

Page 2

Apache Expands Sand Wash Basin Lewis Program

Permit

PACHE CORP has staked a new exploratory test targeting the Upper Cretaceous Lewis on the northeastern flank of the Sand Wash Basin about 29 miles northnorthwest of Craig in northwestern Colorado.

The 41-5 Sand Hills, ne ne 5-11n-91w, northeastern Moffat County, is projected to 4800 ft in Lewis and will be drilled about half a mile southwest of a discovery completed by Apache earlier this year at the 13-33 Sand Hills-Federal in nwsw 33-12n-91w. During its first three months on line, the latter well produced more than 154 million cuft of gas with 880 bbls of condensate and 180 bbls of water from the Lewis "B" sand at 4235-40 ft. Production in May averaged 1,856,000 cu ft of gas, eight bbls of condensate and two bbls of water daily.

The 13-33 Sand Hills-Federal was drilled in the area of Four Mile Creek field, an abandoned Lance gas/condensate pool, and subsequently incorporated into West Side Canal field, one and a half miles to the northwest.

Half a mile east of the new 41-5 Sand Hills location, Apache in July drilled a proposed 4500-ft Lewis wildcat at the 21-4 Sand Hills-Federal in ne nw 4-11n-91w. No details have been released on that venture. The company has locations staked for two other Lewis tests in the section at the 11-4 Sand Hills-Federal in nw nw 4-11n-91w, and 23-4 Sand Hills-Federal in se sw 4-11n-91w (PI 8-25-95).

At the Bureau of Land Management's February 9 oil and gas lease sale, Caddis Resources Inc paid a salehigh \$90 per acre for a 615.25-acre lease covering lots 5-20 of section 5-11n-91w (PI 2-13-95).

Ridgeway Testing Eastern Arizona CO₂ Prospect

IDGEWAY ARIZONA Oil Co, the U.S. operating subsidiary of Calgary-based Ridgeway Petroleum, has completion work under way at a remote carbon dioxide prospect drilled 10 miles southeast of St. Johns in eastern Apache County, Arizona.

The 3-1 State 13-53-801, ne se 3-11n-29e, was drilled and cased to a depth of 1813 ft to evaluate the Fort Apache limestone member of the Permo-Pennsylvanian Supai (Yeso/Abo equivalent). It originally was projected to reach total depth at about 2500 ft (PI 1-31-95).

Four miles north of the prospect, Ridgeway last year tested a CO2 discovery at the 1 Ridgeway/Canstar-Plateau Cattle Co, se nw 15-12n-29e. That well, which was tested in Supai at 1410-79 and 1680-1720 ft, also encountered helium and nitrogen.

Elsewhere in the area, Ridgeway has location staked for a 2300-ft Fort Apache test at the 22-1X State, se nw 22-12n-29e, less than a mile south of the discovery well. It's a replacement for the company's 22-1 State in nw nw 22-12n-29e (PI 3-23-95), which was junked and abandoned last month at a depth of 218 ft.

Ridgeway's ventures are more than 50 miles south of the Pinta Dome-Navajo Springs area, where nonflammable, helium-bearing gas has been produced

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SEPTEMBER 8, 1995 PAGE D

OTHER WESTERN STATES: ST JOHNS SANDON AND AND A LANGUAGE APACHE COUNTY

"Ridgeway Arizona Oil Corp "State" 22-1X MAP: AZ 22-12N-29E,Fr NY COR 1383'S 1723'E 02-001-20301 (State Lease #13-53-729) elev:6393'GR (Wayne Smith Drlg Co) 2300 -est.td Permit #838 approved.

"Midgeway Arizona Oil Corp "State" 3-1 "HAP:AZ 3-11N-29E,Fr NE. COR 3566'S 514'W 02-001-20299 9-5/8c.133 7c.764 elev:6726'GR 2500'-est.td State lease 13-53-801 (NFW) S-08/21/95(Rayne Smith Drlg Co) 1813 TO. Drilled. Running production string.

0

Hunger Ollogram

SIN SIMN *Arzon Corp. "Arzon State" 1 02-003-20009 MAP:AZ 27-13S-30E, Fr MV cor 660'S 660'E elev: 3600'GR 9-5/8c.530± S-07/15/95(Norton Drlg Co) (NEW) State Lease #13-100203 9900'-est.td ????" Drld, "no dope" hole. Ran csg to an . undisclosed depth. Temporarily abandoned. Plan to re-enter in a couple of months.

STATE OF NE. AVA CHURCHILL CCURTY DIXLE VALLEY Osbow Geothermal Corp. "7" 73-79 27-001-90241 7-24N-37E,SE-1/4 NE-1/4 MAP:NV 10,000'-est.td S-09/05/95(VECO Drlg Co #10) 690 Running surface casing.

Trail Mountain, Inc. "Three Bar Unit" 6 MA :NV 25-28N-512,Fr NE cor 2075'S 800'W Pederal lease N-46990

Notice of staking. LINCOLN COUNTY "Tide Petroleum Co LP "Baseline Canyon Federal" 2 21-1N-59E, Fr St cor 805'N 1200'E 27-017-05219 Federal Lease N-41649 NAP:NV elev:4943'GR Permit #762 issued. 10,000 -est.td (NWW)

WE COUNTY 1 27-023-05265-01 MAP:NV 26-10N-57E,Fr SI cor 658'N 1983'E elev:4892'GR 9-5/8c.421 7/1.6700 5-1/2c.6950 Rsm-05/28/95 (NFW) Originally comp 2/20/79 by Northwest Expl for 4 B/D oil, 15gravity, 0.1% cut from int 7038-7650'. Perf'd.6856-6994" and tested 4/12/79 for 10-12 P/D oil, 15gravity.

7800 RD7/15 Testing. Directional? (R(RA-453-1)

EAGLE SPRINGS Eagle Springs Prod "Eagle Springs/Plains Pet" 23-35 36-9N-57E,Fr M/ cor 1709'S 1300'E 27-023-05514 MAP:NV elev:4779'GR 7500'-est.td s-ca/18/95(Cardinal Drla Co.#2)

NYE COUNTY (cont) TRAP SPRINGS **irail Mountain, Inc. "Black jack Paderal" 1 MAP: NV 34-54-56E, Fr NE cor 2500'S 1980'W(Surface) 34-9N-56E, Fr SE cor 2310'N 1980'W(est BEL) Federal lease N-5349 5000 -est.td (EST) Notice of staking: (a) out 1733-0 313-0(201)(00)

TRAP SPRINGS-WEST "John C. Long "Pederal" 1 . MAP:NV = x 100; 11-9N-55E, ME-1/4 NF-1/4 4750'-est.td (NEW)

VHITE RIVER VALLEY Terry L Brown "White River Valley Brown" 1 MAP:NV 20-8N-61E,Fr NN COX 2250'S 2000'W (NEW) Federal lease N-41671 many of the News Notice of staking.

ERING COUNTY KYLE SPRING *Evans-Barton, Ltd "Kyle Spring" 12-13D MAP:NV 12-291-365,Fr. S/ cor 1815'N 35'E 27-027-05004 4-1/20.1000 elev: 4452'GR S-07/27/95 1000'-est.td Federal lease N-58388 t (NEW) 33500 (VAC and 1000 Waiting on production equipment.

LITTLE SWOKY VALLEY WHITE PINE COUNTY *Foreland Corp. "Eldorado Federal" 15-1 MAP:NV 15-1GN-54E,Pr SE cor 680'N 1700'W 27-033-05301 Federal lease N-49128 elev:6053'GR 4500'-est.wl Plan to drill mid-September. (NEW)

*Picneer Oil & Gas " rubstake Unit Federal" 14-14 14-21N-57E,Fr Si c = 263'N 619'E 27-033-05300 Federal lease N-54166 MAP:NV elev:6726'GR S-08/14/95(Cardinal Drlg Co #40) 8000'-est.td 2272 Drilling, no details. TO (NEW) at the first to the the law and light for the part of \$280). Decrease that

NEWARK VALLEY 1-2003 0134 30-000-00248 005012-0 Wedallion Oil Co. "Federal" 1-18 MAP:W 18-19N-58E,Fr NE cor 600'S 2000'W (NEW) . Pederal Lesse (N-51343 Notice of staking.

HEWBERRY

STEPTOE VALLEY "Williford Energy "Steptoe Valley Federal" 1 24-15N-63E,Fr SE cor 1425'N 330'W MAP:NV (NEW) Pederal lease N-49408 Notice of staking.

CE Exploration "15" 76-15TCH 36-017-90036 MAP: CR 15-21S-12E, SE-1/4 elev: 6780'GR 8000'-est.td S-07/24/95(Longyear Drlg) 2777 Drilling, "tight hole". 200-030 birshed 30-030-55250 jamivili CE Exploration "21" 86-21 36-017-90040 MAP:OR 21-215-122, Fr SE cor 1000 W 200 W afew 6290 K3 Lease #OR 45505 9000'-est.td Directional S-7anr-08/28/95(Nabors Drlg USA #58)

???? Drilling, "tight hole".

STATE OF OREGEN

DESCRIPTES COUNTY



Fife Symington Governor

State of Arizona Arizona Geological Survey

416 W. Congress, Suite 100 Tucson, Arizona 85701 (520) 770-3500



Larry D. Fellows Director and State Geologist

August 25, 1995

file 884

Mr. Walter B. Ruck Ridgeway Arizona Oil Corporation 1080, 700 4th Avenue S.W. Calgary, Alberta T2P 3J4

Dear Mr. Ruck:

I am writing to confirm some of the items we discussed when I was in St. Johns earlier this week. These include (1) that the annular space on 1A will be cemented to the surface, (2) that the 22-1 will be plugged with concrete, (3) that signs will be posted at each well location, and (4) that a hearing is required to set special spacing. Regarding our discussion on spacing and unitization, I have enclosed a copy of the Arizona statutes on fieldwide unitization.

You should be aware that A.A.C. R12-7-107 (copy enclosed) sets gas-well spacing at 640 acres. Our record shows that your initial wells were drilled as oil wells on 80-acre spacing. You are now drilling gas wells. As a result, your future wells will need to comply with the 640-acre spacing requirement in R12-7-107 unless special spacing is granted as in the case for the Black Rock Field. I have enclosed a copy of that order (Order 56) for your information. From 50 to 60 days are required before the hearing. This to publish notice in the newspaper, review your exhibits, and prepare background material for the Commissioners.

Sincerely,

Oil & Gas Program Administrator

Steven Kaning

Enclosures

Walter Ruck, St. Johns, Arizona



ROCKY MOUNTAIN



REGION REPORT

FOUR CORNERS EDITION

file 884

Vol. 68, No. 162 8-23-95

Texaco, Meridian Drilling San Juan Basin Paradox Probes

Ignacio-Blanco Fruitland Producer Flows 9.6 MMCFG/D

RILLING OPERATIONS are under way at two deep Paradox gas tests on the northern flank of the San Juan Basin, including a 9700-ft wildcat operated by Texaco Exploration & Production Inc about 18 miles southeast of Mancos in southwestern Colorado.

Texaco's 1 Long Hollow, ne nw 15-34n-11w, southwestern La Plata County, is being drilled by Four Corners Drilling's Rig#16 one and a half miles east of several inactive Dakota/ Greenhorn gas producers on the northern flank of Ignacio-Blanco field. The drillsite is three and a half miles north-northeast of the nearest previous Paradox production, at an inactive Barker Creek gas discovery (PI7-12-95).

Two townships to the south, Meridian Oil Inc gauged a flow of 9,664,000 cu ft of gas per day on completion of a development well in Ignacio-Blanco field. The 17R Ute, ne ne 9-32n-11w, La Plata County, is producing from Fruitland coalbeds through preperforated liner between 2417 and 2717 ft. Total depth is 2720 ft.

Further west in the county, Meridian is using Four Corners' Rig#15 to drill the 30 Ute, nw ne 15-32n-13.5w, a projected 9380-ft Desert

Creek test in Barker Dome field eight miles southwest of the town of Red Mesa. The rig was moved about three miles to the north-northeast after drilling Meridian's 27 Ute, nwsw 16-32n-14w, in the San Juan County, New Mexico, portion of the field. The 27 Ute was drilled to a total depth of 8660 ft to evaluate Barker Creek (Lower Paradox) and at last report was waiting on completion tools.

Ridgeway Begins Delineation of Eastern Arizona CO₂/Helium Find

IDGEWAY ARIZONA Oil Co, the U.S. operating subsidiary of Calgary-based Ridgeway Petroleum Corp, has drilling operations under way at an exploratory test in eastern Arizona about eight miles

southeast of St. Johns.

The 22-1 State 13-53-729, nw nw 22-12n-29e, eastern Apache County, is being drilled by Smith

(Please see Ridgeway, Page 2)

NEWSLETTER
DAILY ACTIVITY REPORT
WESTERN COLORADO
UTAH
NEW MEXICO
ARIZONA & NEVADA

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Page 2

Meridian Adds to Horizontal Program in North Dakota's Bowman County

Red River test in southwestern North Dakota's Bowman County, this one about 11 miles southwest of Rhame.

The 34-19H Griggs, sw se 19-131n-105w, will be drilled to a total measured depth of about 12,200 ft. It's half a mile east of the Bog Creek field confirmation well (recently incorporated into the new Cedar Hills-Red River "B" pool). That well, Meridian's 14-19H Coates, initially flowed 105 bbls of 41° oil with 25,000 cu fr of gas and 10 bbls of water per day from an open-hole horizontal Red River "B" interval between 9145 and 12,091 ft, total measured depth (PI 6-14-95). True vertical depth is 8946 ft. The top of the Red River "B" zone was logged at 9088 ft (8912 ft true vertical depth) from a kelly bushing elevation of 2891 ft.

The 14-19H Coates was drilled from a surface location 820 ft from the south line and 660 ft from the west line (sw sw) of 19-131n-105w, northnortheastward to a bottom-hole location 1235 ft from the north line and 1477 ft from the west line (ne nw) of the same section. It encountered the top of the producing interval at a loca-

tion 1131 ft from the south line and 737 ft from the west line (sw sw) of the section.

In its first five months on line (December 1994 through April 1995), the 14-19H Coates produced a total of 33,733 bbls of oil, 7,426,000 cu ft of gas and 3,982 bbls of water. It produced an average of 320 bbls of oil,

76,200 cu ft of gas and 41 bbls of water per day in April.

Earlier this year, Meridian said the new field contains original oil in place of 9,005 bbls per acre. The company estimated an ultimate recovery of 230,000 bbls of oil per well under 320-acre spacing and an eight percent depletion drive (PI 1-26-95).

(Ridgeway, continued from Page 1)

Drilling's Rig#1 toward an objective of 2300 ft in the Fort Apache limestone member of the Permo-Pennsylvanian Supai. Ridgeway's plans call for the entire 400-ft thick Fort Apache zone to be cored as a means of increasing the company's reservoir data base.

It's within a mile south of Ridgeway's I Ridgeway/Canstar-Plateau Cattle Co, a carbon dioxide/helium discovery drilled about a year ago in se nw 15-12n-29e (PI 8-24-94). That 2431-ft well recovered CO₂ and helium on drillstem tests in two intervals of Supai (Yeso/Abo equivalent) at 1410-79 and 1680-1720 ft.

Ridgeway currently estimates reserves in the St. Johns Anticline gas field at 260 billion cu ft of CO₂ and two billion cu ft of helium.

Upon completion of drilling operations at the 22-1 State, Ridgeway intends to drill a 2500-ft Fort Apache test at the 3-1 State 13-53-801 in ne se 3-11n-29e, about four miles south of the discovery (PI 1-31-95). The latter well will test the top of the surface structure 225 ft updip from the discovery, the company said.

Funding for the two-well drilling program is being provided by Arizona Resources Industries Inc (ARI), while terms of ARI's proposed purchase of "The Arizona Project" are being finalized with Ridgeway Arizona's Calgary-based parent company.

The area is approximately 55 miles south of the Pinta Dome-Navajo Springs area, which has produced nonflammable, helium-bearing gas.

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Fife Symington

Arizona Geological Survey

845 North Park Avenue, #100 Tucson, Arizona 85719 (602) 882-4795



Larry D. Fellows
Director and State Geologist

June 1, 1995

file 884

Mr. Walter B. Ruck, President Ridgeway Arizona Oil Corporation 1080, 700-4th Avenue S.W. Calgary, Alberta T2P 3J4

Dear Mr. Ruck:

Thank you for telecopying the Gallup newspaper article about your project. Imagine, looking for oil and finding tomatoes (and, of course, a lot of carbon dioxide and helium). There remains, however, the very real possibility of encountering commercial accumulations of good old-fashioned crude oil as drilling in that region continues.

The reference in the article to surplus steam or hot water from the generating station caused me to think of some early geothermal studies done in that region. In fact, the 1992 steam test near Alpine (that encountered bleeding oil from fractures in Supai rocks) was a recent outgrowth of these early studies. Would you use the surplus steam or hot water for heating or in the growing process?

In any event, I am taking the liberty of enclosing three of the resulting items from the early geothermal studies. These include: (1) Open file report 79-2a on the geothermal potential in the Springerville-St. Johns area, (2) Geothermal Resources map of Arizona, and (3) a Fieldnotes issue on geothermal potential in Arizona.

Sincerely,

Steven L. Rauzi

Oil & Gas Program Administrator

Steve Paris

Enclosures

Ramah artist sculpts house, Pa

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Phillies, Indians victorious, Page 5

THE TRUTH WELL TOLD

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Wednesday

May 31, 1995 Number 125 Volume 109

Cardinals win, Page 5 urs113.500

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duction manager and prover for the 1, R. Sumples Co. of Busic, Idaho, in charge of the Samples Surface ways. Bubb greenhouse printeds.
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ide, locating the plants in close generative to the gas field will provide an economic incomirer.

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"But, you get absolutely perfect studence, without blemtshee or odd slupes.

Tou can't do this with water-melone, there's no way to support there, said Grant, "As for com, for-table,", it must be in a field to polli-rate.

By Teof Rushan Staff Write ST, JOHNS, Attz.—When Wal-ter B. Ruck cane to S. Johns a can-ple of years ago, he was a wilden prospector looking for oil in what appeared to be an overlooked arm, instead, he may have found to-

ing about 40 acres ender gless, plus the employment of up to 150 percent. Briefly, the project would consist of a hydrospanic greenhouse that would use carbon dioxide from wells in the St. Johns area, plus sur, plus atoms or hot weller from the ready Salt River Project Coronardo Commission of Hydroponics consists of growing Hydroponics consists of growing plants in nutrient nich solutions, to-

malocs 15

"It's a very tensible project, says locy Grant, director of the St. Johns Chamber of Commerce, "He's talk-

Wan seek

Sussex Discovery Reported in Central Powder River Basin

NEXPLORATORY test drilled by
Denver-based Ampolex
(Texas) Inc in the central
Powder River Basin about 15 miles
southwest of Gillette, Wyoming, has
been completed as a Sussex (Upper
Cretaceous) discovery.

The 23-33 Heiland Trust-Federal, ne sw 33-48n-73w, Campbell County, initially pumped 43 bbls of 34.7° oil with 25,000 cu ft of gas and eight bbls of water per day through sand/oil-fract perforations at 7088-7118 ft. Log tops include Teapot at 6118 ft, Parkman 6396 and Sussex at 7086 ft, measured from a 4822-ft kelly bushing elevation.

The discovery is a mile west of the Gaither Draw field opener, a 1981 Parkman sand discovery in ne sw 34-48n-73w, and a little more than a mile north-northeast of a Parkman discovery completed in 1988 in sw sw 4-47n-73w. The latter producer has been incorporated into Gaither Draw field

A mile and a half to the northwest, Ampolex in December drilled a proposed 7420-ft Parkman/Sussex wildcat at the 41-29 Craft-Federal in ne ne 29-48n-73w. No details have been disclosed on that venture.

Ampolex has locations staked for seven other exploratory tests in the township, in sections 7, 20, 28, 29 and 33. Projected depths for those ventures range from 7325 to 7500 ft.

Ridgeway Adds to Remote Eastern Arizona Exploration Program

RIDGEWAY ARIZONA Oil Co, the U.S. operating subsidiary of Calgary-based Ridgeway Petroleum, has staked its third remote wildcat in a non-producing area of eastern Arizona, this one approximately 10 miles southeast of St. Johns in eastern Apache County.

The 3-1 State 13-53-801, nese 3-11n-29e, is projected to 2500 ft to evaluate the Fort Apache limestone member of the Permo-Pennsylvanian Supai. The site is approximately 54 miles south of the Pinta Dome-Navajo Springs area, where nonflammable, helium-bearing gas has been produced. Closest production of hydrocarbons is about 150 miles to the north, at fields on the Defiance Uplift of the Four Corners area.

Four miles north of the new loca-

tion, Ridgeway last year drilled the 1 Ridgeway/Canstar-Plateau Cattle Co, an indicated carbon dioxide/helium discovery in se nw 15-12n-29e (PI 8-24-94). That 2431-ft venture recovered CO₂ and helium on drillstem tests in two intervals of Supai (Yeso/Abo equivalent) at 1410-79 and 1680-1720 ft.

Seven miles southwest of the new Ridgeway location, Tenneco Oil in 1967 completed the 1 Federal-C, se nw 22-11n-28e, as a 1687-ft dry hole. Formation tops at that well include Kaibab at 149 ft, Coconino 511, Fort Apache 1440 and Supai at 1556 ft. The wildcat was spudded in Moenkopi from a kelly bushing elevation of 6064 ft. Tenneco reported shows of oil in Fort Apache, but did not core or drillstem test the wildcat.

Yates Stakes Stepout from Southern Wyoming's Sinkhole Field

ATES PETROLEUM Corp, Artesia, New Mexico, has scheduled a 7900-ft stepout from Sinkhole field about 23 miles northeast of Superior in southern Wyoming.

Primary objectives of the northern Sweetwater County venture, the 4 Bravo Unit in nw se 4-23n-99w, are the Bravo (Lewis) sand, estimated at 6700 ft, and the Almond member of Mesaverde, anticipated at 7303 ft. Yates also plans to evaluate the deeper Ericson, the top of which is estimated at 7735 ft.

It will be drilled on the Bravo Federal Exploratory Unit three quarters of a mile northwest of the BTA Oil Producers 2 Bravo Unit in c nw 10-23n-99w, an Almond gas/condensate discovery completed in mid-1994 (PI 11-16-94). That discovery was drilled approximately three quarters of a mile northwest and northeast of shut-in, BTA-operated Lewis producers in Sinkhole field.

Sinkhole field is on the western flank of the Red Desert Basin about five miles southwest of Hay Reservoir field, also a Lewis pool.



Fife Symington

Arizona Geological Survey

845 North Park Avenue, #100 Tucson, Arizona 85719 (602) 882-4795

January 27, 1995



Larry D. Fellows Director and State Geologist

Mr. Paul C. Thompson Walsh Engineering & Production Co, 7415 East Main St Farmington, New Mexico 87402

Re: Ridgeway Arizona Oil Corporation #3-1 State Sec. 3, T. 11 N., R. 29 E., Apache County, Arizona State Permit #884

Dear Mr. Thompson:

An approved duplicate copy of Ridgeway's Application for Permit to Drill the referenced well, Permit to Drill #884, and filing fee receipt #3072 are enclosed as is a copy of the Commission's oil and gas rules. Samples are required as noted in A.A.C. R12-7-121.

This Permit is issued on the condition that you conduct operations substantially as outlined in the drilling prognosis submitted with the application to drill and that you notify me at least 48 hours before you:

Commence drilling operations;

2) Run and cement surface casing; and

3) Nipple up and test the BOPE prior to drilling out of the surface casing.

I plan to witness the circulation of cement on the surface casing and the pressure test of the BOPE.

Form 4, Well Completion Report, and, should it be necessary, Form 9, Application to Plug and Abandon, and Form 10, Plugging Record are enclosed. Several Form 25, Sundry Notices, are enclosed to provide this office with weekly updates of wellsite drilling and testing activity.

The Oil and Gas Conservation Commission of the State of Arizona looks forward to a successful completion of this well.

Sincerely,

5 tem L. Paix

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

MEMORANDUM TO FILE

DATE:

January 20, 1995

Steven L. Rauzi

Oil and Gas Program Administrator

SUBJECT: Known and reasonably estimated freshwater aquifers in vicinity of RIDGEWAY OIL CORPORATION 3-1 STATE

SE NE SE Sec. 3, T. 11 N., R. 29 E., Apache County

Contact with the Basic Data Section of the Arizona Department of Water Resources on this date revealed that no water wells are registered in sec. 3, T. 11 N., R. 29 E. The nearest water wells registered with the Department are in section 4 and section 10 of this township and range. The well in section 4 is 360 feet deep with a water level reported at a depth of 297 feet in 1982. The well in section 10 is 750 feet deep with a water level reported at a depth of 700 feet in 1961.

This information plus the information on the depth of the Coconino Sandstone obtained from the No. 1 Plateau Cattle Company well in section 15, T. 12 N., R. 29 E. indicates that surface casing set to 120 feet and intermediate casing set to 900 feet will be sufficient to protect waters in surface alluvium, the Coconino Sandstone, and all other reasonably estimated freshwater aquifers in the vicinity of the subject well.

file 884



RIDGEWAY PETROLEUM CORP.

1080, 700 - 4th AVENUE S.W., CALGARY, ALBERTA T2P 3J4 TELEPHONE: (403) 266-6362 FAX: (403) 262-5294

U.S. SUBSIDIARY - RIDGEWAY ARIZONA OIL CORP.

December 12, 1994

Arizona Geological Survey State of Arizona 845 North Park Avenue, #100 TUSCON, Arizona 85719

Attention: Mr. Steven L. Rauzi
Oil & Gas Program Administrator

Dear Sir:

RE: AMENDED ORGANIZATION REPORT

Further to your letter to this office dated November 29, 1994, we are enclosing herewith an amended Organization Report.

We trust your will find this in order but should additional information be necessary please do not hesitate to call.

Yours truly,

RIDGEWAY ARIZONA OIL CORP.

E. M. Robertson, Secretary

encl.

/m





Fife Symington Governor

State of Arizona Arizona Geological Survey

845 North Park Avenue, #100 Tucson, Arizona 85719 (602) 882-4795

November 28, 1994



Larry D. Fellows Director and State Geologist

Blanket Bond File Memo:

Steven L. Rauzi, Oil and Gas Program Administrator

Blanket Bond for Ridgeway Arizona Oil Corporation Re:

St. Johns Bank One Certificates of Deposit #4002112 & 4002111

Ridgeway Arizona Oil Corporation has posted a \$25,000 blanket bond consisting of two separate certificates of deposit as referenced above. As a result of these two separate certificates of deposit representing a single bond of \$25,000, they should be held in safekeeping together and not released until all wells drilled by Ridgeway Arizona Oil Corporation under its blanket bond, whether productive or not, have been plugged and abandoned.

The \$25,000 blanket bond consists of two separate certificates of deposit because Ridgeway Arizona Oil Corporation initially posted a \$10,000 bond for a single well, the Plateau Cattle Company #1 (permit 880). That well was considered a potential discovery that could lead to the drilling of several confirmation and development wells and a blanket bond was desired. Rather than cash the \$10,000 certificate with a penalty and post a \$25,000 certificate of deposit, Ridgeway posted an additional, and separate, \$15,000 certificate to bring its total bond amount up to the \$25,000 required for blanket bond coverage.

DOMESTIC FOREIGN C.D. NO.: 4002112 BANK: BANK ONE, AR120NA, NA MATURITY DATE: 11-18-95 AMOUNT \$15,000.00 C.D. ASSIGNMENT MUST BE ATTACHED UNLESS C.D. IS PAYABLE TO STATE TREASURER RELEASE C.D. NO.: BANK: MATURITY DATE: INTEREST RATE: % AMOUNT \$ STATE TREASURER VALIDATION NO. RECEIVED THE ABOVE RELEASE BY Authorized Signature Bank or Firm FOR BANK USE ONLY BY Authorized Signature BANK AUTHORIZATION BY Authorized Signature	ATE: 11-28-94			STATE AGEN	CY NO
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ADSIGNMENT TO ARIZONA STATE TREASURER SECURITY IN LIEU OF CASH DEPOSIT FOR COMPLIANCE WITH SECTION 35-155 ARIZONA REVISED STATUTES

RIDGEWAY	ARIZONA OIL CORP	<u>•</u>			
NAME					
STREET ABORESS	- 4th Ave. S.W	. Calgary		(403)266.6	11Y 5362
COUNTY	Canada	T2P 3J4 STATE		TELEPHONE NUMBER	
hereinafter referred to	o as ASSIGNOR, does hereby il right, title and interest of ar after the date of this assignment	iv kind whatsoever.	owned or held by Assignor	r in the principal, but not	in the interest
Baitk One			L INSTITUTION_	3- 05036	Apache
whose address is _	820 W. Cleve	aland		, Az. 85936	whacue
_	STREET ADDRESS		CITY	COUNTY	
Arizona, as evidenc	ed by an account in the amou	nt ofFIF	TEEN THOUSAND A	AND NO/100	
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the Oil and (Gas Conservation Com	mission of th	e State of Arizon	a. Tohne	Arizons.
Dated this 18	day ofNovemb	er	19 94 , at St.	CTY COPP	
IMPORTANT - SIG	VATURE OF ASSIGNOR			ZONA OIL CORP	
This Assignment : Individual Himself	thall be signed by the	ВҮ	:	TELY AS SHOWN A	#1.VE
Majviduai Ministu			SIGNATU	RE OF ASSIGNOR	
ceived any notice of	n and by the assignment above of lien, encumbrance, hold, cla further hereby waive any curr and Regulations of the Treas-	im or other obligations and future right arer adopted in acco	on against the above-ident of set-off against such acco réadce with applicable laws	ified account prior to its out. We agree to make and the law applicable	assignment to payment as re- to this institution.
Dated this 18	day of <u>November</u> NK ONE ARIZONA, 1	N.A.	. 1994 . at	St. Johns	, Aticona
72		NAME OF FINA	ANCIALINSTITUTION		
BY SIGNATURE	OF OFFICER OF FINANCIA	L INSTITUTION	MAI	NAGER TITLE	
Subscribed and sw	orn before me this		MOTARY PUBLIC PU STATE OF ARIZONA PU County of Apacha TAMERA S. CHERRY NO	94 UCS GMATURE 31-98	rub
			ECHPETANDA PROPERTIES		
in the assignment identified account	viceged of the assignment about the above is hereby authorized at of the above-named assignor, day of November	id directed to pay or	idestified in the resignated by carbings credited after the St. Johns, Az. ATETREASURER	gemegrees sial to size en D	on the store.
	By: (Pro	Tressure or Auth	orized Representativa-	-)	<u>.</u>
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SECTION .

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RECURITIES	SAFEKEEPING
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1700 WEST VASHINGTON ST	PHOENIX, ARI JNA 85007
DATE: 7/7/94	STATE AGENCY NO.
STATE AGENCY OIL & GAS CONSERVATION COMMISSION	State Treasurer's Use Only
COMPANY RIDGEWAY ARIZONA OIL CORP.	
1080 700 4TH AVENUE S.W.	
CALGARY ALBERTA T2P 3J4	
DOMESTIC FOREIGN DEPOS	IT
C.D. NO.: 4002111	
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Checked by Verified by	Authorized Signature
	STATE'S DEPOSITORY BANK

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- Checonolina

SECUR OF CASH DEPOSIT FOR COMPLICATION 35-155 ARIZONA REVISED STATUTES

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RIDGEWAY ARIZO	NA OIL CORE	·			 	
ME 1080, 700 - 4t	h Ave. S.W.		Calgary			
REET ADDRESS		 ,	<u></u>			CITY
Alberta Canad	<u>а тор 3J4</u>			(403)	266-6362	- MILLADED
YTYUC		STATE	•		TELEPHONI	ENUMBER
reinafter referred to as ASSIGNOR REASURER, all right, title and interest the date of this assignment in the ST. JOH	est of any kind whats insured account of INS BANK ON	oever, owned or he ASSIGNOR so lon	g as such funds rem	ncipai, out not n	I die Hierest Herenin	fter accruing
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ated this 9 day of June	,	19 <u>94</u> , at <u>St</u>	. Johns		, Arizona.	
	nnichiod		RIDGEWA	Y ARIZON	A OIL CORP.	
MPORTANT - SIGNATURE OF A	SSIGNOR		NAME O	E ASSIGNOR I	EXACTLY AS SHO	WN ABOVE
his assignment shall be signed by the	ne		//	//	aln /	
ndividual Himself			BY:	- Jun		
					SIGNATURE O	FASSIGNOR
essignment to said Treasurer of the assignment and by the assignment a ien, encumbrance, hold, claim or of waive any current and future right of treasurer adopted in accordance with	bove. We have rete her obligation again of set-off against su	sined a copy of this st the above-identifich account. We ago the law applicab	ed account prior to i ree to make payment le to this institution.	eby certify that to it as required by	the Treasurer. We y the Rules and Reg	further hereby
Dated this <u>14</u> day of	JUNE	,19 <u>94</u> , at	ST JOHNS		, Arizona.	
BA	NK_ONE_ARIZON	A. NA				
Do 1	() NA	ME OF FINANCIA	AL INSTITUTION	CUELM	Assisted	drawint
BY SIGNATURE OF OFFIC	MILLALA SE ENIANCIA	INSTITUTION		<u> </u>	TITLE	
			0.4		0.7	\sim
Subscribed and sworn before me th	is 14 day of	JUNE	₁₉ 94	211 200 01 0	The last	Sich
			TA TA	County of Apac	HRICK COMMES	
CECOND BY	DORSEMENT - R	SCEIDT FOR SEC	IRT AND DIRE	TIÓN TO PA	EARNINGS (_
						m manifed in th
Receipt is acknowledged of the assignment above is hereby author	ized and directed to	pay any earnings of	redited after the dat	e of this assignment	nent on the above-ic	lentified accoun
of the above-named assignor.		10 .			Anizoni	
Dated thisday of		_, 19, at , ARIZON & STAT	E TREASTIRE A		, /112014	
		pasurer or Author	ized Representative	4-	ئى غ	<u> </u>
	BY	alhere	16 1/ales	un,		
	(Prépar	e in duplicate. Ple	ase Type all Informa	ation)		
	Attach Original A	ssignment to Certif	icate of Deposit and	rue with State.		

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Certificate of Deposit Bank One, Arizona, NA 4002111 NON TRANSFERABLE BRANCH NO. 14-94 43 DATE 06-14-94 ST JOHNSTOFFICE CONTROL THIS CERTIFIES THAT THERE HAS BEEN DEPOSITED IN THIS BANK RIDGEWAY FARIZONA OIL CORP. ACCOUNT NO. - -PAY TO---41 - 기구를 '무겁 81575016 10,000.00 (UPON SURRENDER, OF THIS CERTIFICATE PROPERLY ENDORSED) 365 Days - 54 FROM ISSUE DATE ON THIS CERTIFICATE MATURES IN -11-24 95. INTEREST IS TO BE PAID_ June 14 Monthly 🕏 PER ANNIBA ON AN ACTUAL NUMBER OF DAYS PER YEAR BASIS. AT THE PATE OF 1089-700 4TH AVENUE S.W. <u>07-14-94</u> FIRST INTEREST PAYMENT DUE SINGLE MATURITY - INTEREST CEASES AT MATURITY CALGARY, ALBERTA THUTOMATICALLY RENEWABLE - THE CERTIFICATE WILL AUTOMATICALLY RENEW EVERY 00000 UNLESS REDEEMED WITHIN 10 CALENDAR DAYS (ONE BUSINESS DAY FOR MATURITIES OF 31 DAYS OR LESS) AFTER ANY MATURITY. THE BANK RETAINS THE RIGHT TO REDEEM THIS 0-100-0675 Rev. 7/91 (2/93)

Certificate of Deposit Bank One, Arizona, NA 4002112 NON TRANSFERABLE THIS CERTIFIES THAT THERE HAS BEEN DEPOSITED IN THIS BANK PAY TO Ridgeway Arizona Oil Corp. ACCOUNT NO. \$15,000.00 UPON Calgary, Alberta
OF THIS
CENTIFICATE
PROPERTY 8157-4865 1080 700 4th Ave SW THIS CERTIFICATE MATURES IN 365 days (l yr) -11-18-19 95 MIEREST IS TO BE PAID Monthly PROPERLY ENDORSED) AT THE RATE OF _ * PER ANNUM ON AN ACTUAL NUMBER OF DAYS PER YEAR BASIS. FIRST INTEREST PAYMENT DUE 12-18-94 SINGLE MATURITY - INTEREST CEASES AT MATURITY MAUTOMATICALLY RENEWABLE - THE CERTIFICATE WILL AUTOMATICALLY RENEW EVERY 365 days UNLESS REDEEMED WITHIN 10 CALENDAR DAYS (ONE BUSINESS DAY FOR MATURITIES OF 31 DAYS OR LESS) AFTER ANY MATURITY. THE BANK RETAINS THE RIGHT TO REDEEM THIS CERTIFICATE OR CHANGE THE INTEREST RATE AND OTHER TERMS AS OF ANY MATURITY.

0-100-0675 Rev. 7/91 (2/93)

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